



METALIKA
Tehnika zatvaranja **KACIN**
Locking and latching systems

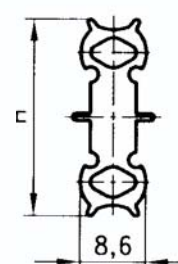
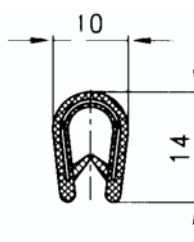
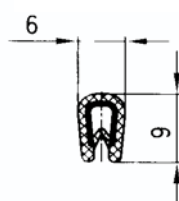
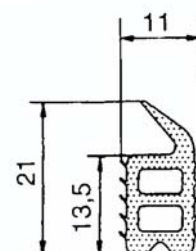
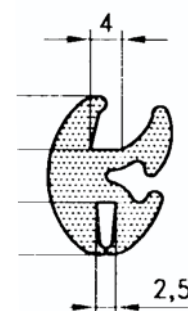
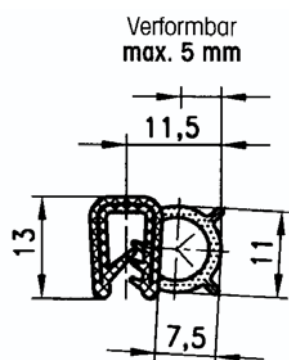
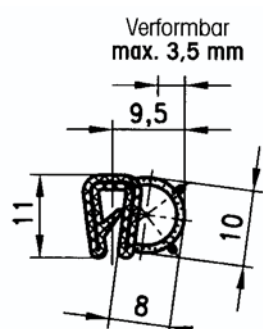
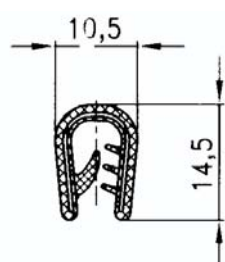
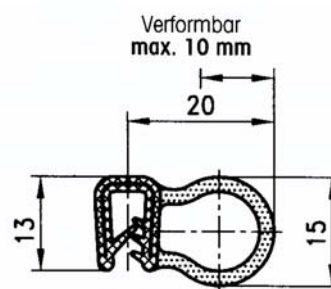
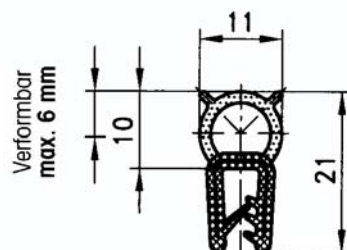
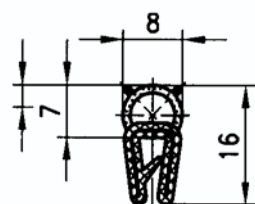
DIRAK

Gumeni zaptivni profili

Zaštitni profili za ivicu lima

Samolepljive penaste trake





Nakačni
zaptivni profili

PVC zaštitni
profili za rub

Penasti
profili za urez

Zaptivni montažni
profili za prozore

Penaste
samolepljive
trake

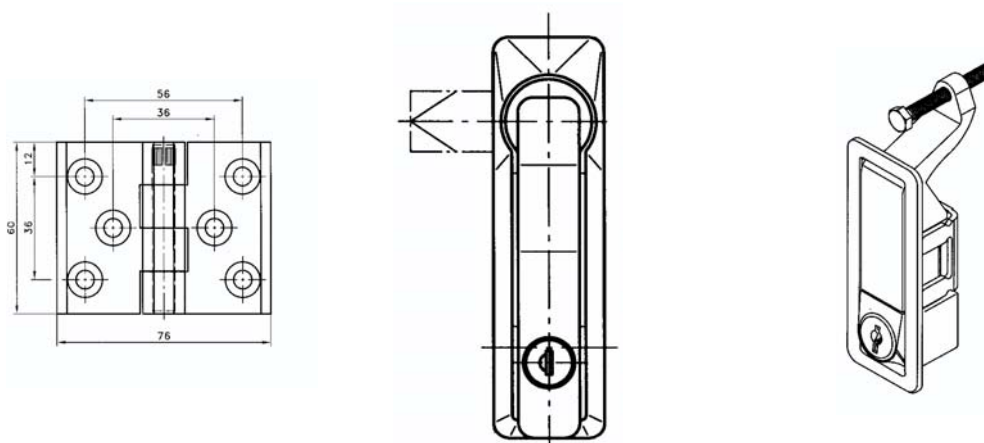
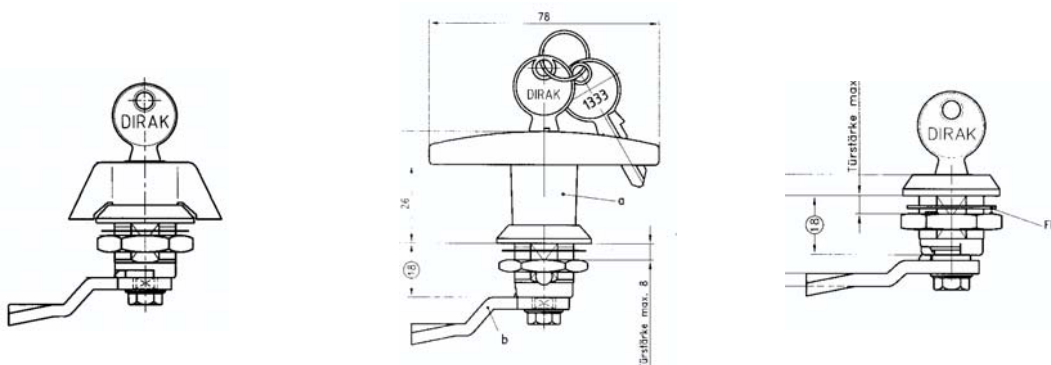
Veliki izbor gumenih zaptivnih, zaštitnih i penastih profila
u različitim dimenzijama i varijantama.



METALIKA

Tehnika zatvaranja KACIN

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GSM 062 / 311 768 - metalika.kacin@gmail.com



Široki izbor okova i pribora za proizvodnju prekidnih i upravljačkih ormarića, kućišta za elektro opremu, elektroniku, telekomunikacijsku, tehnološku, klimatsku i drugu tehniku, za ugradnju kod izrade mašinske opreme i vozila.



www.metalika-kacin.com

Bravice
i zatvarači

Zaokretne ručice

Šarniri i šarke

Gumeni
zaptivni profili

Ručke
različitih oblika

Nerđajući okovi

Pribor

Rubber-Profiles





Rubber-profiles

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Explanations and instructions

Designations

Elastomer designation in accordance with ASTM D 1418-76

CR	Polychlorinated butadiene e.g. Neoprene
EPDM	Ethylene-propylene terpolymers e.g. Keltan
NBR	Acrylonitrile butadiene copolymers e.g. Perbunan, Nitrile
NR	Natural rubber (polyisoprene)

Elastomers and their properties

Chemical designation		Natural rubber	Nitrile rubber	Chloroprene-rubber	Ethylene-propylene-diene-rubber
Acronym according to ASTM D 1418		NR	NBR	CR	EPDM
Hardness range (Shore A) +/-5		40-90	45-90	40-90	40-85
Tear resistance N/mm ²		4-15	4-14	5-15	6-13
Rebound resilience at 20°C		++	0	+	+
Abrasion resistance		++	+	+	+
Elastic properties		++	+	+	+
Chemical resistance	A	+	0	+	++
Resistance to oil	A	-	++	+	-
Resistance to fuels	A	none	+	-	-
Solvent resistance	A	-	+	+	0
Temperature resistance °C	C	-40 to +80	-30 to +100	-25 to +100	-40 to +100
Ozone resistance		0	0	++	++
Gen. weathering resistance		+	+	++	++
Gas impermeability		0	+	+	0
Resistance to permanent deformation	B	++	+	+	+
Bonding to metal		++	0	+	0
Dielectric properties		++	-	0	++

Explanation of symbols

A = Because of the numerous possible chemicals, solvents, application-temperatures and duration, the values stated may vary in individual cases. In particular, a type of elastomer that generally displays a low resistance may be very resistant to certain media.

B = In general, the resistance declines at relatively low or high temperatures.

C = These are limits that may fluctuate according to the composition of the mixture. Continuous use at limit levels brings about a change in the physical values. Special elastomer mixtures are necessary for extreme loads.

++ = excellent to very good

+

o = satisfactory to moderate

- = low to poor

Factory tolerances

Foam rubber sections (cross-sections) DIN 7715 E3

Nominal dimensions in mm				+/- (mm)
		up to	2.5	0.5
over	2.5	and up to	4.0	0.7
over	4.0	and up to	6.3	0.8
over	6.3	and up to	10.0	1.0
over	10.0	and up to	16.0	1.3
over	16.0	and up to	25.0	1.6
over	25.0	and up to	40.0	2.0
over	40.0	and up to	63.0	2.5
over	63.0	and up to	100.0	3.2

Solid rubber – Soft rubber sections (cross-sections) DIN 7715 E2

Nominal dimensions in mm				+/- (mm)
		up to	2.5	0.35
over	2.5	and up to	4.0	0.4
over	4.0	and up to	6.3	0.5
over	6.3	and up to	10.0	0.7
over	10.0	and up to	16.0	0.8
over	16.0	and up to	25.0	1.0
over	25.0	and up to	40.0	1.3
over	40.0	and up to	63.0	1.6
over	63.0	and up to	100.0	2.0

PVC sections (cross-sections) Din 16941 3B

Nominal dimensions in mm				+/- (mm)
		up to	3.0	0.4
over	3.0	and up to	6.0	0.6
over	6.0	and up to	10.0	0.7
over	10.0	and up to	18.0	0.8
over	18.0	and up to	30.0	1.0
over	30.0	and up to	50.0	1.2
over	50.0	and up to	80.0	1.5
over	80.0	and up to	120.0	1.9
over	120.0	and up to	180.0	2.3

The tolerance table compiled here, based on the applicable standards, are provided to facilitate establishing dimensional variations in specific applications.

(These do not apply where tolerances have been specified for dimensions in drawings.)

Guidelines for storage, cleaning and maintenance as per DIN 7716

1. Applicability

The guidelines which follow are applicable to products made both of pure rubber and rubber combined with other products, to elastomers made of natural rubber and/or synthetic rubber as well as to glued or laminated products and solutions.

2. General

The properties of most rubber products will be affected if they are stored under adverse conditions or improperly handled. They may be made unserviceable due to excess hardening, softening, permanent deformation or spalling, fissures or other surface damage.

The changes may be caused by the effects of oxygen, ozone, heat, light, moisture, solvents or storing under tension. If properly stored and handled, rubber products will retain their properties virtually unchanged over several years.

3. Storage area

The storage room should be cool, dry, free of dust and ventilated but not drafty.

3.1 Temperature

The storage temperature should be 15°C and may not exceed 25°C since this could cause a change in the physical properties or could shorten the shelf life. Neither should the storage temperature fall below -10°C. Even lower temperatures are generally not detrimental but the products could become extremely stiff. Chilled products should gradually be brought up to a temperature of 20°C. Adhesives and solutions may never be colder than 0°C; the minimum storage temperature for products made of certain chloroprene rubber compounds may, under certain circumstances, be 12°C.

3.2 Heating

Where the storage area is heated, radiators and piping should be shielded. The heat sources in the storage areas should be engineered so that the temperature of the items in storage does not exceed 25°C. Minimum clearance between the heat source and the stored products is 1 m.

3.3 Moisture

Storing rubber products in damp storage rooms should be avoided. No condensation may form. Relative humidity should be less than 65%.

3.4 Lighting

The rubber products should be protected against light, and in particular, against the sun's direct rays and strong artificial illumination with a high share of ultraviolet light. It is for this reason that the windows in storerooms should be covered with a red or orange (never blue) coating or film. All sources which emit light in the ultraviolet spectrum are damaging to rubber. Preference is to be given to using standard incandescent lamps for illumination.

3.5 Oxygen and ozone

Rubber products should be protected against changes in room air and above all against drafts; this may be done by placing them in protective bags or envelopes or in airtight containers. This applies in particular to items with a large surface area in relationship to the volume such as rubberized items or cellular materials. Since ozone is particularly detrimental, no equipment which generates ozone may be present in storerooms; examples of such sources include fluorescent illumination, mercury vapor lamps, electric motors or other devices which could create arcs or electrical discharges. Combustion gases and vapors which could liberate ozone through photo-chemical processes should be removed. Solvents, fuels, lubricants, chemicals, acids, disinfectants and the like may not be stored in the storeroom. Rubber solutions must be stored in a separate room, observing regulations on the storage and movement of flammable fluids.

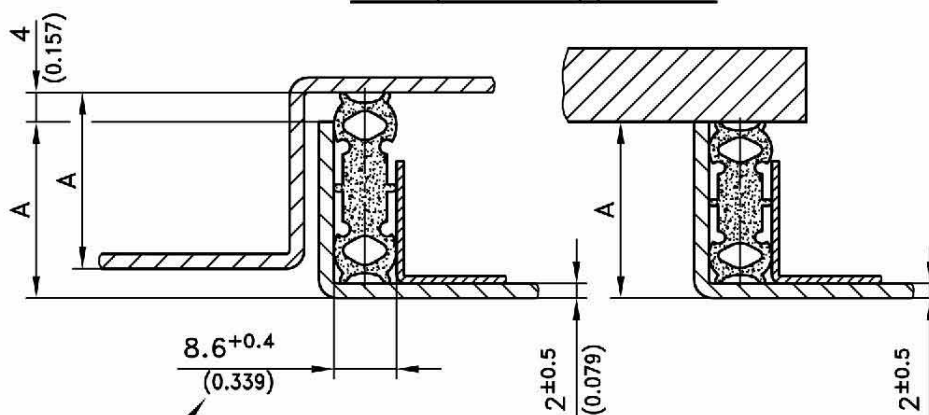
4. Storage

It is important to ensure that rubber products are free of strain when stored, i.e., not subject to tension, pressure or other stresses since strain can promote permanent deformation and fissuring. Certain metals, and copper and manganese in particular, are damaging to rubber products. It is for this reason that rubber products may not be in contact with these metals during storage but will rather have to be protected by adequate packaging or isolation with a layer of a suitable material such as paper or polyethylene. The materials used in the containers for the packing and covering materials may not contain any components damaging to rubber, such as copper or copper alloys. Gasoline, oil and the like, and films containing plasticizers may not be used for packaging. If powder is applied to rubber products, then the powder may not contain any components which would be damaging to the rubber products. Products suitable for use as powder are talcum powder, prepared chalk (Spanish white), fine-grain mica flour and rice starch. Contact between rubber products made up of differing compounds should be avoided; this is particularly true for products of different colors. The period in storage should be kept as short as possible. During longer storage periods, it is necessary to insure that newly arrived products are stored separate from those previously on hand.

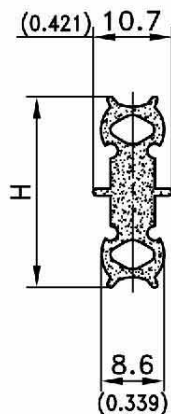
5. Cleaning and maintenance

Rubber products may be cleaned with soap and warm water and then allowed to dry at room temperature. After a longer period in storage (6 to 8 months), the products can be cleaned with a 1.5% solution of sodium bicarbonate. Residues from this cleaning solution are to be rinsed away with water. Effective and particularly gentle cleaning agents can be recommended by the manufacturer. Solvents such as trichloroethylene, carbon tetrachloride and hydrocarbons may not be used for cleaning. Do not use sharp or abrasive objects such as wire brushes, sandpaper, etc.

Examples of application



Groove width must not be smaller than 8.6mm(0.339).
 The best sealing result is only achieved
 when the gasket can move freely in the groove
 and is only hold in position by the 2 central "ears".



4-lip seals for optimal sealing
 of doors and panels, with
 high tolerance compensation
 at minimal compression.

- Balanced sealing properties
between gasket/frame and
gasket/door.
- Special lips on the sides
allow defined longitudinal
movement but prevent the
seals from falling out when
opening the door.
- The result: the compression
forces between gasket/
frame and gasket/door are
nearly the same and
consequently the sealing
properties.
- The double symmetry of
the 4-lip seals prevents
incorrect fitting. The sealing
characteristics are the
same for both high-
pressure and vacuum
applications. They can be
used for 90° corners
without warping or folding.
- Tolerances:
EPDM: DIN 7715 E2
- Customized designs:
If the cross-sections shown
here are not suitable for
your specific application,
we can produce a
customized profile to meet
your needs.
- All standard door seals are
available from stock.

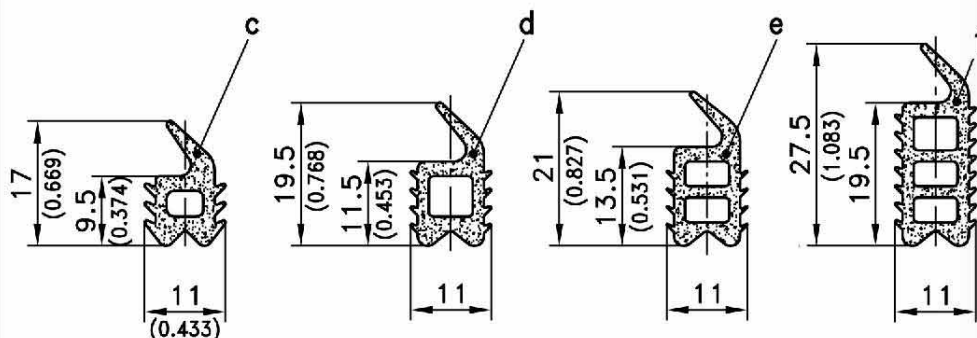
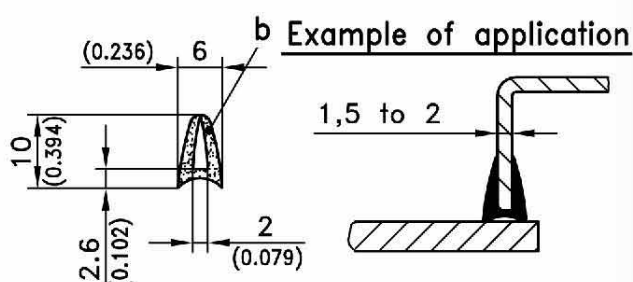
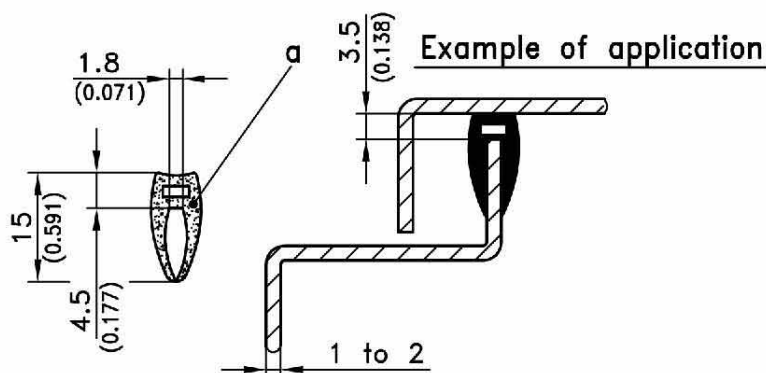
Material:

- Sponge rubber
Quality: EPDM

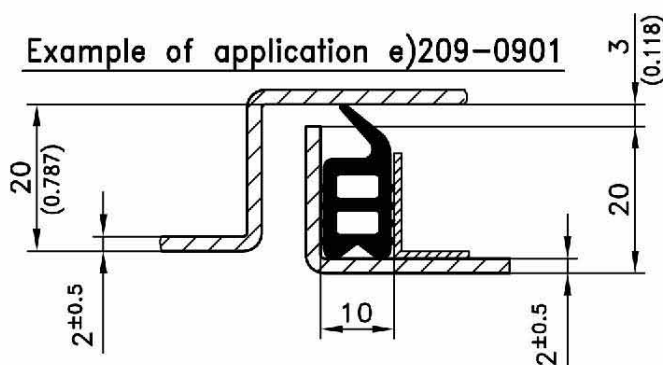
D 18/02/02
 A 1/15/03

color	H = hight mm / inch	A = bending mm / inch	packaging unit	Part No.
black	18 / 0.709	16 ^{±1} / 0.630	40m	209-0118
black	20 / 0.787	18 ^{±1} / 0.709	40m	209-0120
black	22 / 0.866	20 ^{±1} / 0.787	40m	209-0122
black	24 / 0.945	22 ^{±1} / 0.866	40m	209-0124
black	26 / 1.024	24 ^{±1} / 0.945	40m	209-0126
black	28 / 1.102	26 ^{±1} / 1.024	40m	209-0128

Door Seals



Example of application e) 209-0901



to a) and b):

Basic door seals for lids, doors and paneling, made of EPDM.

- Simple fitting: these seals are simply pushed onto sheet metal edges. If necessary seals have to be glued.
- No radius or mitering necessary: no warping or folds.

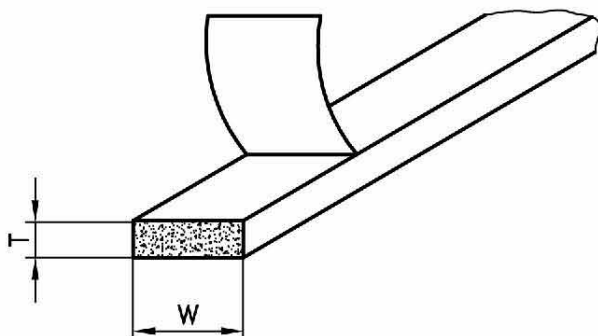
to c) to f):

Conventional door seals made of PVC for applications into seal channels.

- Several versions for different door bendings available.
- For higher requirements regarding sealing properties and easy fitting please refer to catalog page 5-100.
- Tolerances:
EPDM: DIN 7715 E2
- Customized designs:
If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard door seals are available from stock.

	material	color	packaging unit	Part No.
a)	EPDM	black	50m	209-0302
b)	EPDM	black	50m	209-0301
c)	PVC	black	100m	209-0903
d)	PVC	black	20m	209-0902
e)	PVC	black	50m	209-0901
f)	PVC	black	100m	209-0904

D 15/02/02
 A 1/15/03



These closed cell sponge rubber seals are made of natural rubber or Neoprene.

- Self-adhesive and non-stretching.
- During the cutting to size process, the outside cells are cut. These "damaged" cells can result in a max. 5% water absorption.
- Other dimensions are available on request.
- Special dimensions are available within 3 weeks.

Size mm W x T	Natural rubber Part No.	Neoprene Part No.
10 x 3	225-1003	226-1003
10 x 4	225-1004	226-1004
10 x 5	225-1005	226-1005
15 x 3	225-1503	226-1503
15 x 4	225-1504	226-1504
15 x 5	225-1505	226-1505
20 x 3	225-2003	226-2003
20 x 4	225-2004	226-2004
20 x 5	225-2005	226-2005

packaging unit 20m

over 15mm / 0.591 thickness in strips of 1 meter / 39 inches

Part No. System:

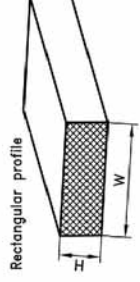
	Material-No.	Wide	Thick
Natural rubber	225 -	00	00
Neoprene	226 -	00	00

Example: Neoprene tape 30 wide, 10 thick = **226-3010**

Size mm W x H	Coil length m	EPDM light grey Part No.	EPDM black Part No.	EPDM light grey SA Part No.	EPDM black SA Part No.	Neoprene black Part No.	Neoprene black SA Part No.
8 x 2	100	270-0802	272-0802	271-0802	273-0802	268-0802	269-0802
10 x 2	100	270-1002	272-1002	271-1002	273-1002	268-1002	269-1002
15 x 2	100	270-1502	272-1502	271-1502	273-1502	268-1502	269-1502
20 x 2	100	270-2002	272-2002	271-2002	273-2002	-	-
25 x 2	50	270-2502	272-2502	271-2502	273-2502	-	-
50 x 2	50	270-5002	272-5002	271-5002	273-5002	-	-
5 x 3	100	270-0503	272-0503	271-0503	273-0503	268-0503	269-0503
10 x 3	100	270-1003	272-1003	271-1003	273-1003	268-1003	269-1003
15 x 3	100	270-1503	272-1503	271-1503	273-1503	268-1503	269-1503
18 x 3	100	270-1803	272-1803	271-1803	273-1803	268-1803	269-1803
20 x 3	100	270-2003	272-2003	271-2003	273-2003	268-2003	269-2003
30 x 3	50	270-3003	272-3003	271-3003	273-3003	268-3003	269-3003
40 x 3	50	270-4003	272-4003	271-4003	273-4003	-	-
50 x 3	50	270-5003	272-5003	271-5003	273-5003	-	-
6 x 4	100	270-0604	272-0604	271-0604	273-0604	-	-
8 x 4	100	270-0804	272-0804	271-0804	273-0804	268-0804	269-0804
10 x 4	100	270-1004	272-1004	271-1004	273-1004	268-1004	269-1004
12 x 4	100	270-1204	272-1204	271-1204	273-1204	268-1204	269-1204
15 x 4	100	270-1504	272-1504	271-1504	273-1504	268-1504	269-1504
20 x 4	100	270-2004	272-2004	271-2004	273-2004	268-2004	269-2004
25 x 4	50	270-2504	272-2504	271-2504	273-2504	-	-
30 x 4	50	270-3004	272-3004	271-3004	273-3004	268-3004	269-3004
40 x 4	50	270-4004	272-4004	271-4004	273-4004	-	-
50 x 4	50	270-5004	272-5004	271-5004	273-5004	-	-
5 x 5	100	270-0505	272-0505	271-0505	273-0505	268-0505	269-0505
10 x 5	100	270-1005	272-1005	271-1005	273-1005	268-1005	269-1005
12 x 5	100	270-1205	272-1205	271-1205	273-1205	-	-
15 x 5	50	270-1505	272-1505	271-1505	273-1505	268-1505	269-1505
20 x 5	50	270-2005	272-2005	271-2005	273-2005	268-2005	269-2005
25 x 5	50	270-2505	272-2505	271-2505	273-2505	268-2505	269-2505
30 x 5	50	270-3005	272-3005	271-3005	273-3005	268-3005	269-3005
40 x 5	50	270-4005	272-4005	271-4005	273-4005	268-4005	269-4005
50 x 5	25	270-5005	272-5005	271-5005	273-5005	268-5005	269-5005
60 x 5	25	270-6005	272-6005	271-6005	273-6005	-	-
6 x 6	100	270-0606	272-0606	271-0606	273-0606	268-0606	269-0606
10 x 6	100	270-1006	272-1006	271-1006	273-1006	268-1006	269-1006
12 x 6	100	270-1206	272-1206	271-1206	273-1206	268-1206	269-1206
15 x 6	100	270-1506	272-1506	271-1506	273-1506	268-1506	269-1506
20 x 6	50	270-2006	272-2006	271-2006	273-2006	268-2006	269-2006
25 x 6	50	270-2506	272-2506	271-2506	273-2506	268-2506	269-2506
30 x 6	50	270-3006	272-3006	271-3006	273-3006	-	-
35 x 6	25	270-3506	272-3506	271-3506	273-3506	268-3506	269-3506
40 x 6	25	270-4006	272-4006	271-4006	273-4006	-	-
50 x 6	25	270-5006	272-5006	271-5006	273-5006	-	-
10 x 7	100	270-1007	272-1007	271-1007	273-1007	-	-
15 x 7	50	270-1507	272-1507	271-1507	273-1507	-	-
20 x 7	50	270-2007	272-2007	271-2007	273-2007	-	-

Foam tapes

Rectangular profiles with closed surface



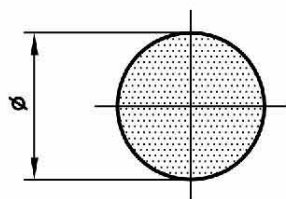
Size mm W x H	Coil length m	EPDM light grey Part No.	EPDM black Part No.	EPDM light grey SA Part No.	EPDM black SA Part No.	Neoprene black Part No.	Neoprene black SA Part No.
8 x 8	100	270-0808	272-0808	271-0808	273-0808	268-0808	269-0808
10 x 8	100	270-1008	272-1008	271-1008	273-1008	268-1008	269-1008
12 x 8	50	270-1208	272-1208	271-1208	273-1208	268-1208	269-1208
15 x 8	50	270-1508	272-1508	271-1508	273-1508	268-1508	269-1508
16 x 8	50	270-1608	272-1608	271-1608	273-1608	268-1608	269-1608
18 x 8	50	270-1808	272-1808	271-1808	273-1808	268-1808	269-1808
20 x 8	50	270-2008	272-2008	271-2008	273-2008	268-2008	269-2008
25 x 8	50	270-2508	272-2508	271-2508	273-2508	268-2508	269-2508
30 x 8	50	270-3008	272-3008	271-3008	273-3008	268-3008	269-3008
40 x 8	25	270-4008	272-4008	271-4008	273-4008	-	-
50 x 8	25	270-5008	272-5008	271-5008	273-5008	-	-
16 x 9	50	270-1609	272-1609	271-1609	273-1609	-	-
23 x 9	50	270-2309	272-2309	271-2309	273-2309	-	-
10 x 10	50	270-1010	272-1010	271-1010	273-1010	268-1010	269-1010
12 x 10	50	270-1210	272-1210	271-1210	273-1210	268-1210	269-1210
15 x 10	50	270-1510	272-1510	271-1510	273-1510	268-1510	269-1510
16 x 10	50	270-1610	272-1610	271-1610	273-1610	-	-
18 x 10	50	270-1810	272-1810	271-1810	273-1810	-	-
20 x 10	50	270-2010	272-2010	271-2010	273-2010	268-2010	269-2010
23 x 10	50	270-2310	272-2310	271-2310	273-2310	268-2310	269-2310
30 x 10	25	270-3010	272-3010	271-3010	273-3010	268-3010	269-3010
35 x 10	25	270-3510	272-3510	271-3510	273-3510	-	-
40 x 10	25	270-4010	272-4010	271-4010	273-4010	268-4010	269-4010
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60 x 10	25	270-6010	272-6010	271-6010	273-6010	-	-
70 x 10	25	270-7010	272-7010	271-7010	273-7010	-	-
12 x 12	50	270-1212	272-1212	271-1212	273-1212	268-1212	269-1212
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40 x 12	25	270-4012	272-4012	271-4012	273-4012	-	-
15 x 15	50	270-1515	272-1515	271-1515	273-1515	268-1515	269-1515
20 x 15	25	270-2015	272-2015	271-2015	273-2015	268-2015	269-2015
25 x 15	25	270-2515	272-2515	271-2515	273-2515	268-2515	269-2515
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40 x 15	25	270-4015	272-4015	271-4015	273-4015	268-4015	269-4015
45 x 15	25	270-4515	272-4515	271-4515	273-4515	-	-
50 x 15	25	270-5015	272-5015	271-5015	273-5015	-	-
60 x 15	25	270-6015	272-6015	271-6015	273-6015	268-6015	269-6015
70 x 15	25	270-7015	272-7015	271-7015	273-7015	-	-
18 x 18	25	270-1818	272-1818	271-1818	273-1818	268-1818	269-1818
25 x 18	25	270-2518	272-2518	271-2518	273-2518	268-2518	269-2518
30 x 20	25	270-3020	272-3020	271-3020	273-3020	268-3020	269-3020
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45 x 20	25	270-4520	272-4520	271-4520	273-4520	-	-
50 x 20	25	270-5020	272-5020	271-5020	273-5020	268-5020	269-5020
60 x 20	10	270-6020	272-6020	271-6020	273-6020	268-6020	269-6020
25 x 25	25	270-2525	272-2525	271-2525	273-2525	268-2525	269-2525
30 x 25	25	270-3025	272-3025	271-3025	273-3025	268-3025	269-3025
35 x 25	25	270-3525	272-3525	271-3525	273-3525	-	-
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40 x 30	15	270-4030	272-4030	271-4030	273-4030	268-4030	269-4030
50 x 30	15	270-5030	272-5030	271-5030	273-5030	268-5030	269-5030
40 x 40	10	270-4040	272-4040	271-4040	273-4040	268-4040	269-4040
50 x 40	10	270-5040	272-5040	271-5040	273-5040	-	-
50 x 45	10	270-5045	272-5045	271-5045	273-5045	-	-
50 x 50	10	270-5050	272-5050	271-5050	273-5050	-	-

Foam tapes are made from EPDM or Neoprene. These tapes are available both with or without one-sided self-adhesive. They are non-stretching. The glue on the self adhesive profile is only for the glitting.

- The catalog shows the DIRAK standard dimensions. Other dimensions are available on request.
- Tolerances: EPDM / Neoprene: DIN 7715 E3
- Supplied: For coils lengths please refer to chart.
- All foam tapes are immediately available.
- The self adhesive profiles are available within 3 weeks.

Foam tapes

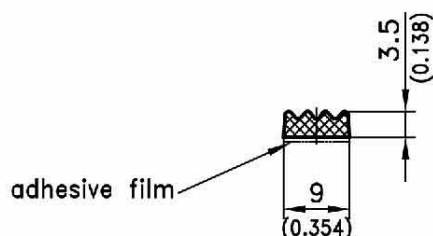
castellated and round profiles



Size mm Ø	Coil length m	EPDM light grey Part No.	EPDM black Part No.	Neoprene black Part No.
2.0	200	270-0020	272-0020	268-0020
2.5	200	270-0025	272-0025	-
3.0	200	270-0030	272-0030	268-0030
3.5	200	270-0035	272-0035	-
4.0	200	270-0040	272-0040	268-0040
4.5	200	270-0045	272-0045	-
5.0	200	270-0050	272-0050	268-0050
6.0	200	270-0060	272-0060	268-0060
7.0	200	270-0070	272-0070	268-0070
8.0	200	270-0080	272-0080	268-0080
9.0	200	270-0090	272-0090	-
10	100	270-0100	272-0100	268-0100
11	100	270-0110	272-0110	-
12	200	270-0120	272-0120	268-0120
13	50	270-0130	272-0130	-
14	50	270-0140	272-0140	-
15	50	270-0150	272-0150	268-0150
16	50	270-0160	272-0160	268-0160
18	25	270-0180	272-0180	268-0180
20	25	270-0200	272-0200	268-0200
22	25	270-0220	272-0220	268-0220
25	25	270-0250	272-0250	268-0250
30	20	270-0300	272-0300	268-0300
35	20	270-0350	272-0350	268-0350
40	20	270-0400	272-0400	-
45	10	270-0450	272-0450	-
50	10	270-0500	272-0500	-

Foam tapes are made from EPDM or Neoprene with a closed surface.

- The catalog shows the DIRAK standard dimensions. Other dimensions are available on request.
- Tolerances:
EPDM / Neoprene:
DIN 7715 E3



Material	Color	Part No.
EPDM	black	209-1401
EPDM	white	209-8001

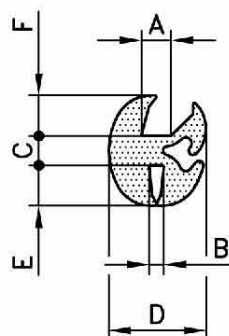
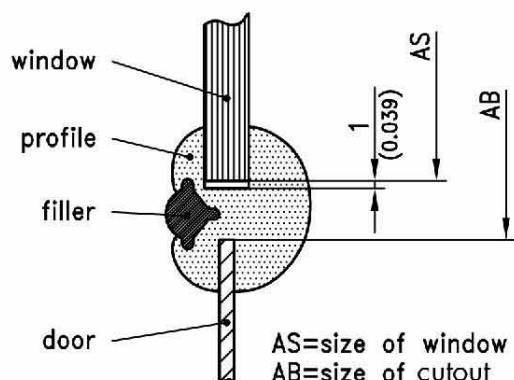
available in 6 weeks

minimum order quantity: 250m on coil (2 x 125m)

Foam tapes are made from EPDM. These tapes are available with or without one-sided self-adhesive. They are non-stretching. The glue on the self adhesion profile is only for the glitting.

- The catalog shows the DIRAK standard dimensions. Other dimensions are available on request.
- Tolerances:
EPDM: DIN 7715 E3

Example of application



Window seals are used to mount panes, windows, etc. in doors, casings and machine enclosures. The pane is clamped in place with the help of the filler and held flush-mounted in the cutout.

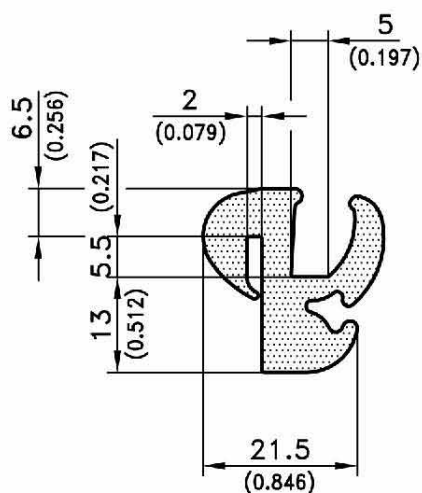
- The window seals are made of EPDM with excellent weathering and ozone resistance properties. DIRAK's EPDM quality is neutral to paints.
- Tolerances:
EPDM: DIN 7715 E2
- Customized designs:
If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard window seals are available from stock.

Material:

- Profile: rubber, 80° shore A EPDM
- Filler: rubber, 85° shore A EPDM

Dimensions in mm						Bending radius / mm	Weight g / m	Filler Part No.	Part No.
A	B	C	D	E	F				
4	2	4	13.0	5.5	5.5	30	154	209-0601	209-0501
4	2.5	7	16	7	7	70	235	209-0602	209-0502
6	2.5	7	18	7	7	70	270	209-0602	209-0503
3	1	4	11.6	4.5	6	35	145	209-0601	209-0508
4	1.5	7	16	7	7	80	227	209-0602	209-0509
4	2	7.3	18	11	8.7	100	405	209-0602	209-0510
4.5	5	7	16	7	7	80	300	209-0602	209-0511
5	2	7.5	19	12.5	9.5	100	410	209-0602	209-0512
5	3	7.5	18	7.5	8	90	345	209-0602	209-0513
5	3	7.5	19	12.5	9.5	100	460	209-0602	209-0514
5	5	7	18.4	9	8	90	360	209-0602	209-0515
5.5	2	7.3	19	11	8.7	100	400	209-0602	209-0516
6	1.5	7.5	19	12.5	9.5	100	400	209-0602	209-0517
6	2.5	7	19	8	8	90	350	209-0602	209-0518
6	3	7.5	19	12.5	9.5	100	410	209-0602	209-0519
6	4	7.5	19	12.5	9.5	100	390	209-0602	209-0520
6	6	8.5	19	9.5	9	100	435	209-0602	209-0521
8	3	7.5	22	12.5	9.5	120	600	209-0602	209-0522
8	4	8.5	25	12.5	10	100	620	209-0602	209-0523
10	3	7.5	23	12.5	9.5	120	600	209-0602	209-0524
10	6	7.5	24	12.5	9.5	100	570	209-0602	209-0525

Window seal



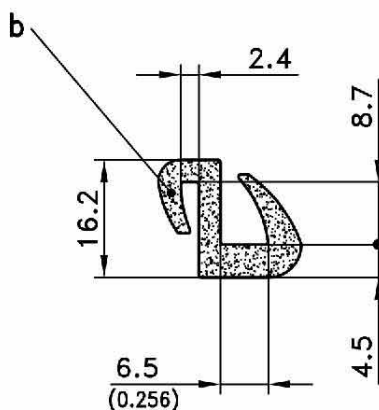
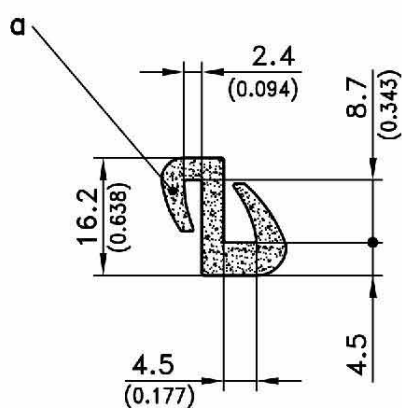
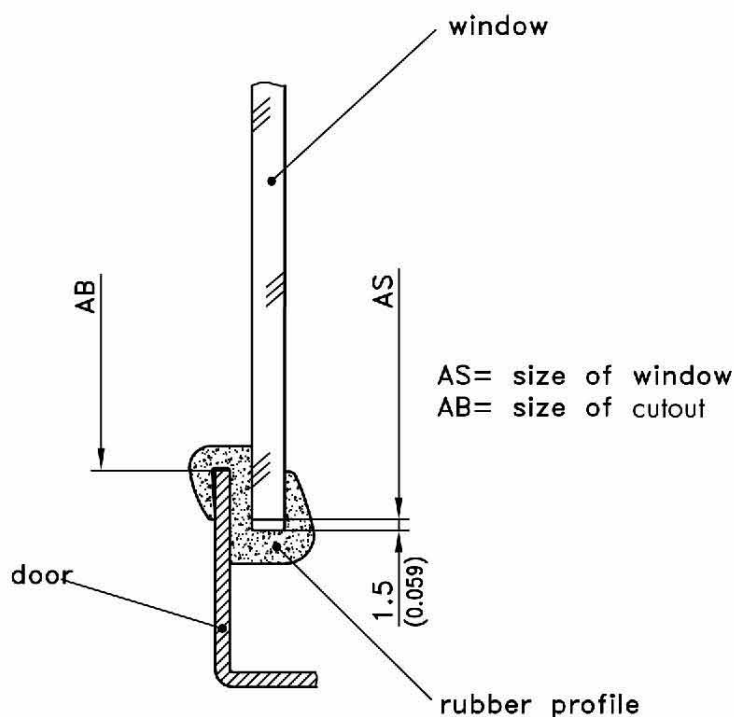
The window seal is used to mount panes, windows, etc. in doors, casings and machine enclosures. The pane is clamped in place with the help of the filler and held flush-mounted in the cutout.

- The window seal is made of EPDM with excellent weathering and ozone resistance properties. DIRAK's EPDM quality is neutral to paints.
- Tolerances:
EPDM: DIN 7715 E2

Material:
• EPDM

color	packaging unit	Filler Part No.	Part No.
black	15m	209-0602	209-0504

Window seal



Window seals are used to mount panes, windows, etc. in doors, casings and machine enclosures.

- They are made of EPDM with a hardness of 80° Shore A. The pane is mounted by simply pressing it into the window seal.
- Additional tools are not required. The pane is inside or outside the enclosure and hence is well-suited for use under high pressure or vacuum conditions.
- Tolerances:
EPDM: DIN 7715 E2
- Customized designs:
If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard window seals are available from stock.

Material:

- rubber 80° shore A
- Quality: EPDM
NBR on request
NBR is oil-resistant

	color	bending radius	packaging unit	material	Part No.
a)	black	min. 40mm	20m	rubber/EPDM NBR	209-0401 209-0406
b)	black	min. 40mm	20m	rubber/EPDM NBR	209-0402 209-0407

$$AB = AS - 14.5 / 0.571$$

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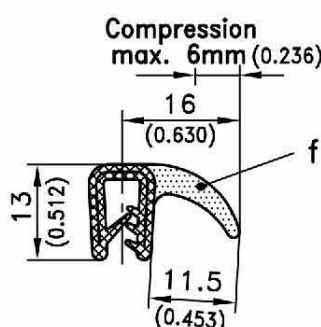
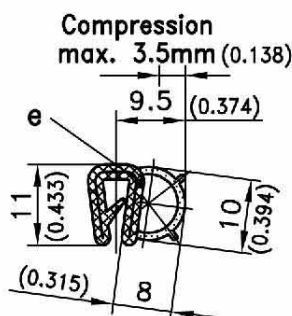
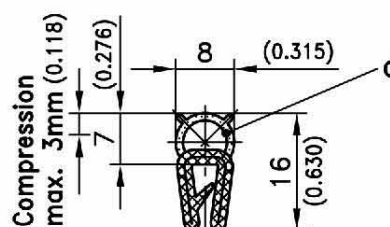
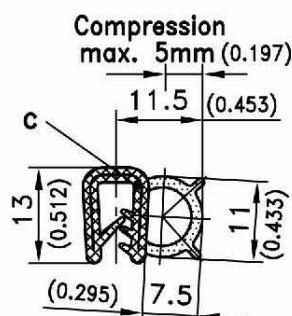
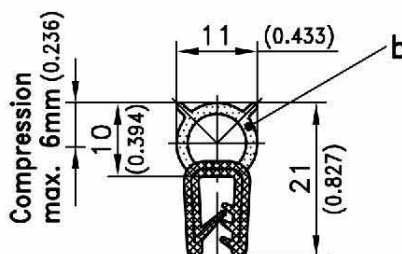
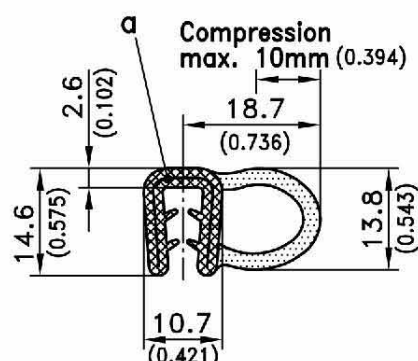
Now you have options!

Combination Sealing Profiles

clip-on

carrier: soft rubber / sealing part: foam rubber

Page

5 - 150


Clip-on profiles combine the characteristics of edge protection profiles and sealing profiles.

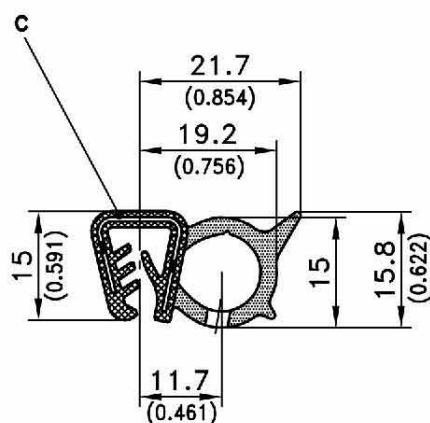
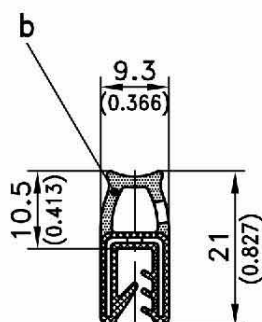
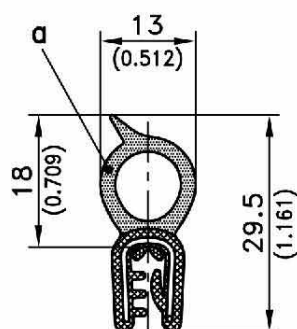
- The sealing part of these profiles is made of foam rubber and the clamp area consists of soft rubber with a steel clip-on core.
- In an extrusion process the two materials are bonded to each other through vulcanization.
- Other profiles refer to page 5-151.
- Customized designs: If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard clip-on profiles are available from stock.

Material:

- EPDM or NBR
- Carrier: soft rubber
- Sealing part: foam rubber

 D 14/09/04
 A 9/14/04

material	color	frame thickness	packaging unit	Part No.
a) EPDM, soft- / foam rubber	black	1.5 – 3.0mm	25m	209-0204
b) EPDM, soft- / foam rubber	black	1.5 – 3.0mm	50m	209-0201*
b.) EPDM, soft- / foam rubber	black	0.8 – 2.0mm	50m	209-0201.1A
NBR	black	1.5 – 3.0mm	50m	209-2201
c) EPDM, soft- / foam rubber	black	1.5 – 3.0mm	50m	209-0202*
c.) EPDM, soft- / foam rubber	black	0.8 – 2.0mm	50m	209-0202.1A
NBR	black	1.5 – 3.0mm	50m	209-2202
d) EPDM, soft- / foam rubber	black	1.3 – 2.5mm	50m	209-0205*
d.) EPDM, soft- / foam rubber	black	0.8 – 1.5mm	50m	209-0205.1A
e) EPDM, soft- / foam rubber	black	1.3 – 2.5mm	50m	209-0206*
e.) EPDM, soft- / foam rubber	black	0.8 – 1.5mm	50m	209-0206.1A
f) EPDM, soft- / foam rubber	black	1.5 – 3.0mm	25m	209-0203



Clip-on profiles combine the characteristics of edge protection profiles and sealing profiles.

- The sealing part of these profiles is made of foam rubber and the clamp area consists of soft rubber with a steel clip-on core.
- In an extrusion process the two materials are bonded to each other through vulcanization.
- Customized designs: If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard clip-on profiles are available from stock.

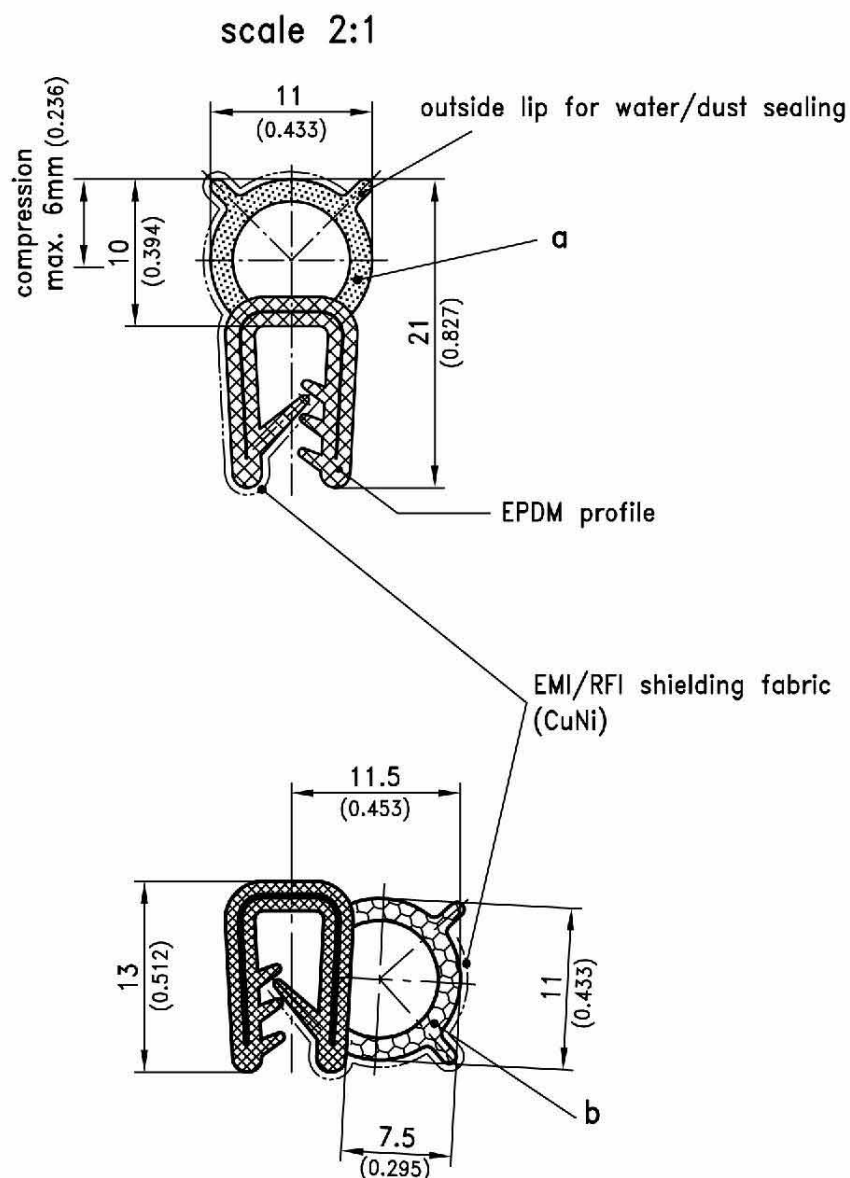
Material:

- EPDM
- Carrier: soft rubber
- Sealing part: foam rubber

color	frame thickness	Part No.
a) black	1.0 – 2.5mm	209-0220 *
b) black	1.0 – 2.5mm	209-0211
c) black	1.0 – 2.5mm	209-0228
black	2.0 – 4.0mm	209-0229
black	4.0 – 6.0mm	209-0230

EMI/RFI Shielding Gasket

with water/dust sealing capability



The EMI/RFI shielding gasket is an enhancement of gasketing 209-0201/0202 on page 5-150, possessing an additional adhesive-backed EMI/RFI fabric shield.

- Performance capabilities subject to application.
- This profile adds the EMI/RFI shielding feature to the proven profile 209-0201/0202 shown on page 5-150, without changing your cabinet design.
- Additional profiles as shown on page 5-150 are in process.

Material:

- Carrier: EPDM
- Fabric: CuNi coated

	Part No.
a) Frame thickness 1.5 - 3.5mm (16 to 10 ga)	209-1301.00-L2002
b) Frame thickness 2.0 - 3.5mm (14 to 10 ga)	209-1302.00-L2002

For attenuation data (dB) please contact DIRAK

D 02/10/03
A 10/17/03

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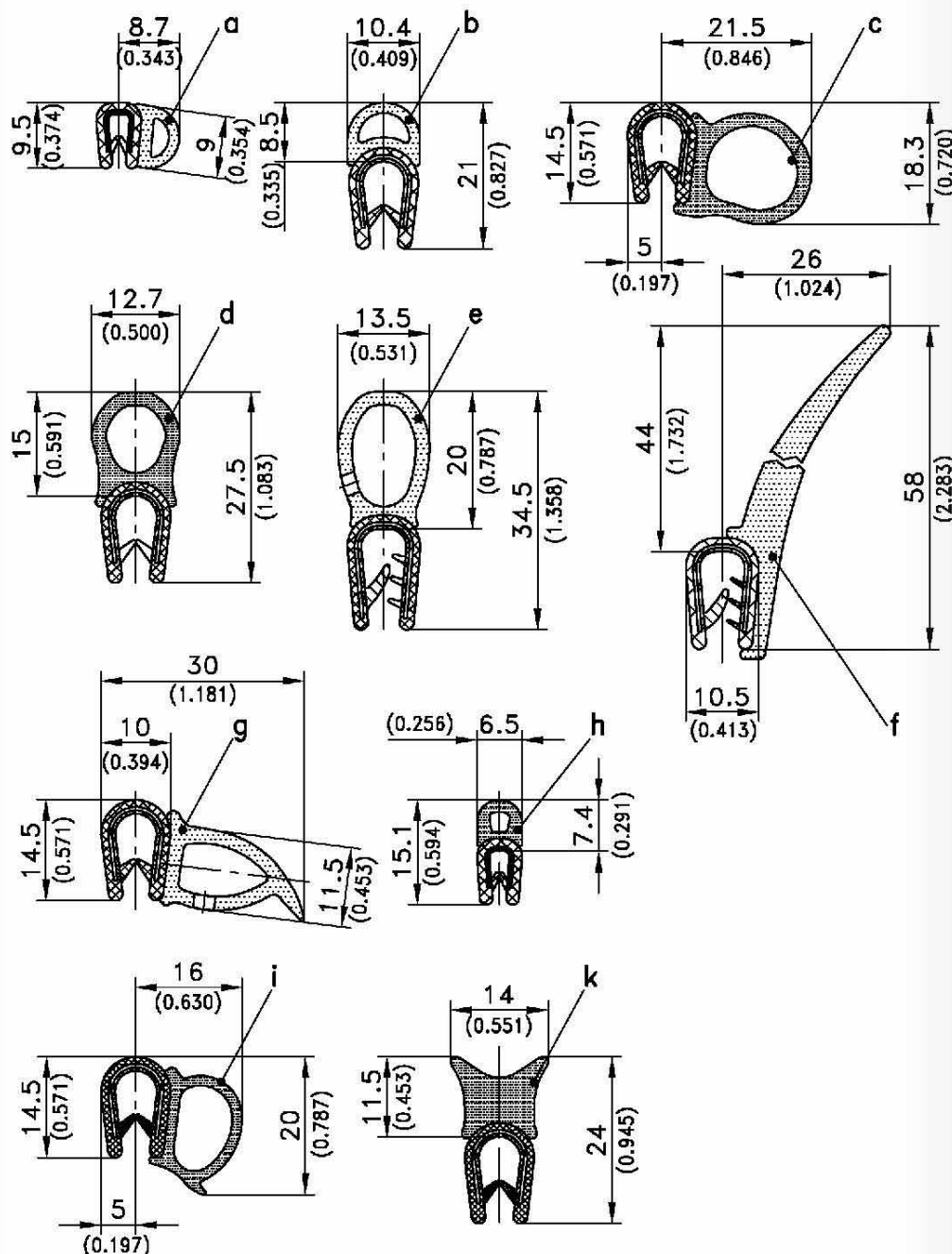
Now you have options!

Combination Sealing Profiles

clip-on

carrier: PVC / sealing part: foam rubber

Page

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Combination sealing extend the properties of edge protection profiles to include sealing.

- The combination profiles consist of PVC with closed cell foam rubber profiles. These foam rubber profiles are made of high-quality synthetic rubber and are characterized by a high age resistance and great elasticity.
- Customized designs: If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard combination sealing profiles are available from stock.

Material:

- Carrier: PVC
- Sealing part: foam rubber

	color	frame thickness	packaging unit	Part No.
a)	black	1.0 – 2.0mm	100m	209-0212
b)	black	1.0 – 4.0mm	50m	209-0213
c)	black	1.0 – 4.0mm	50m	209-0214
d)	black	1.0 – 4.0mm	50m	209-0215
e)	black	1.0 – 4.5mm	50m	209-0216
f)	black	1.0 – 4.5mm	25m	209-0217
g)	black	1.0 – 3.5mm	50m	209-0218
h)	black	1.0 – 2.0mm	100m	209-0222
i)	black	1.0 – 4.0mm	50m	209-0226
k)	black	1.0 – 4.0mm	50m	209-0227

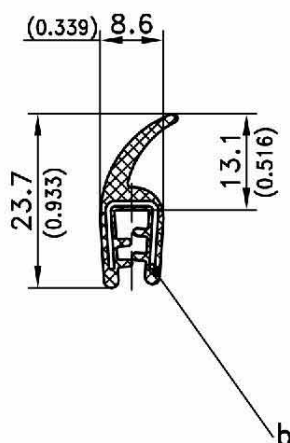
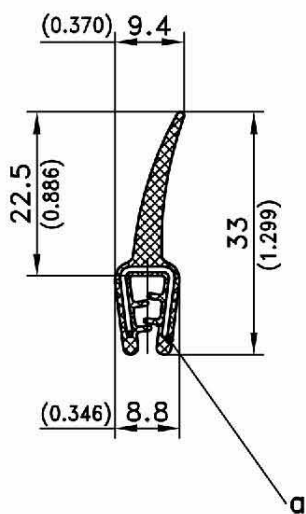
D 02/10/03
A 1/08/04

Clip-on Sealing Profiles

made of soft rubber / EPDM

Page

5 - 154



Clip-on sealing profiles extend the properties of edge protection profiles to include sealing.

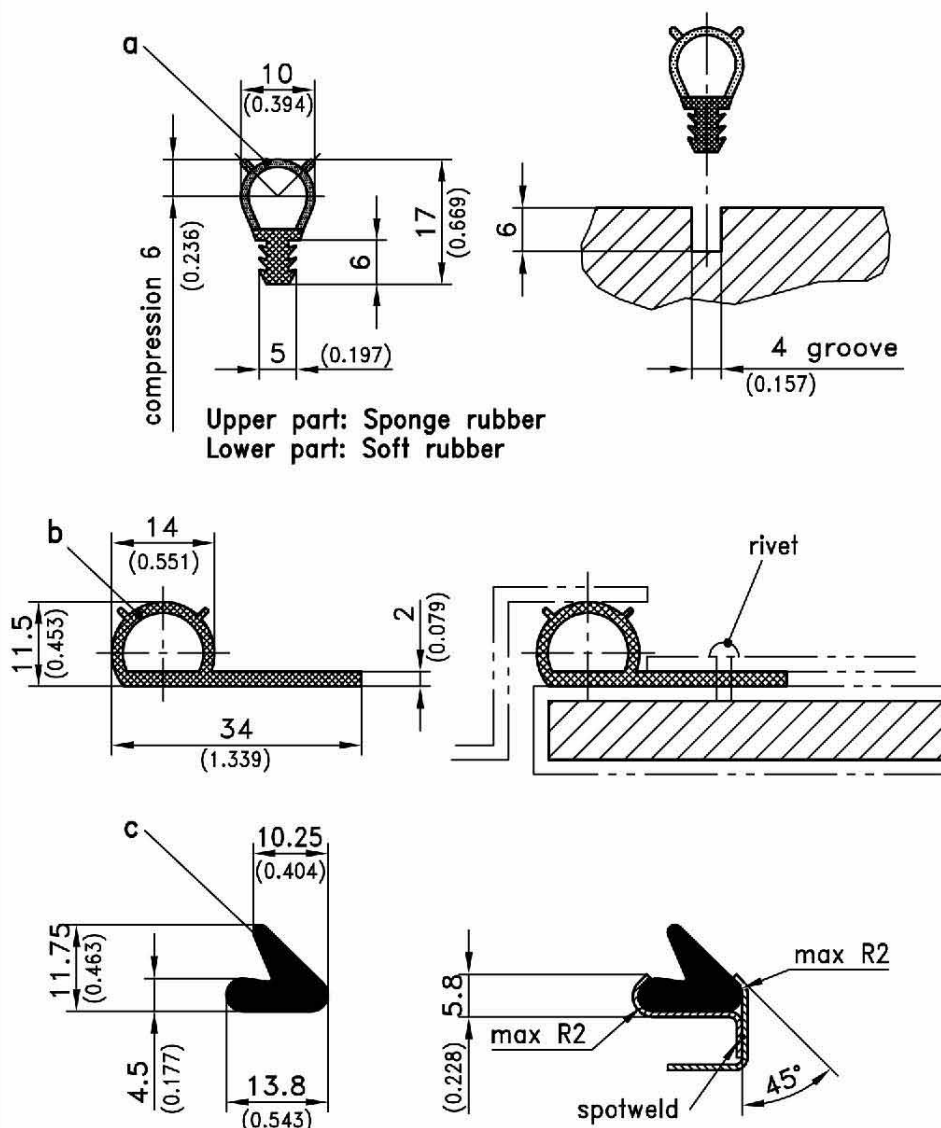
- Customized designs:
If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard combination sealing profiles are available from stock.

Material:

- soft rubber / EPDM

	color	frame thickness	packaging unit	Part No.
a)	black	0.5 – 2.0mm	50m	209-0219
b)	black	1.0 – 2.5mm	50m	209-0221

Examples of application

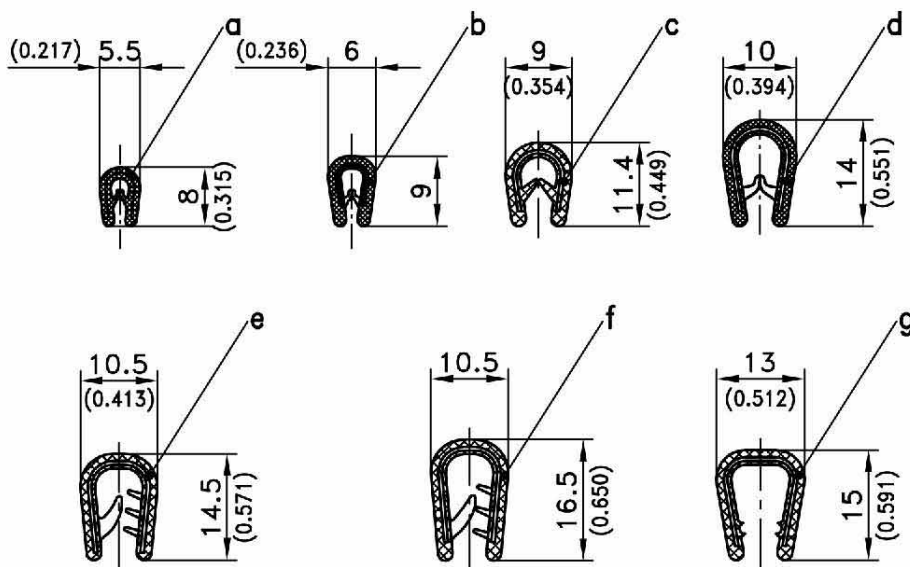


Special sealing profiles made of EPDM for application according to the shown examples.

- Tolerances:
- EPDM: DIN 7715 E2
- Customized designs:
If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.

material	color	packaging unit	Part No.
a) EPDM	black	50m	209-0704
b) EPDM / 55° Shore A	black	50m	209-1203
c) EPDM / 25° Shore A	black	20m	241-0903

Edge protections



Edge protections are used when steel edges have to be smooth. Additional metal machining work can be avoided and an decorative effect is achieved.

- Edge protection profiles are flexible. The U-shaped steel clip-on tape with a PVC jacketing provide for firm seating on metal edges, even if there are radii or bends.
- The profile is simply pressed onto the metal edge by hand, so there is no need for tools, adhesives or connecting elements.
- Edge protection profiles differ in shape, size, color and surface, depending on the application.
- The PVC jacketing is resistant to weathering and to temperatures within a range from approx. -40° to +70° Celsius.
- Tolerances:
 - PVC: DIN 164 130 3B
- Customized designs: If the cross-sections shown here are not suitable for your specific application, we can produce a customized profile to meet your needs.
- All standard PVC edge protections are available from stock.
- Other colors are available on request.

	color	material thickness	packaging unit	Part No.
a)	black, smooth	0.8 – 1.5mm	50m	209-0801
b)	black	1.0 – 2.0mm	50m	209-0802
	white-grey	1.0 – 2.0mm	100m	209-0805
	silver	1.0 – 2.0mm	100m	209-0807
c)	black	1.0 – 2.0mm	100m	209-0808
	black	2.0 – 4.0mm	100m	209-0820
d)	black	1.0 – 4.0mm	50m	209-0803
	silver-grey	1.0 – 4.0mm	100m	209-0810
	light-grey	1.0 – 4.0mm	100m	209-0811
	white-grey	1.0 – 4.0mm	100m	209-0812
e)	black	2.0 – 5.0mm	100m	209-0813
f)	black	2.0 – 4.0mm	100m	209-0814
	black	1.0 – 2.5mm	100m	209-0816
	black	4.0 – 6.0mm	100m	209-0817
g)	black	6.0 – 8.0mm	100m	209-0815
	black	8.0 – 10.0mm	100m	209-0818
	light-grey	6.0 – 8.0mm	100m	209-0819

Material:

- PVC with steel spring core



Pair of universal scissors

Part No. 209-1001



Pair of mitring scissors

Part No. 209-1002



Fitting tool for window seals

Part No. 209-1003

DIRAK[®]

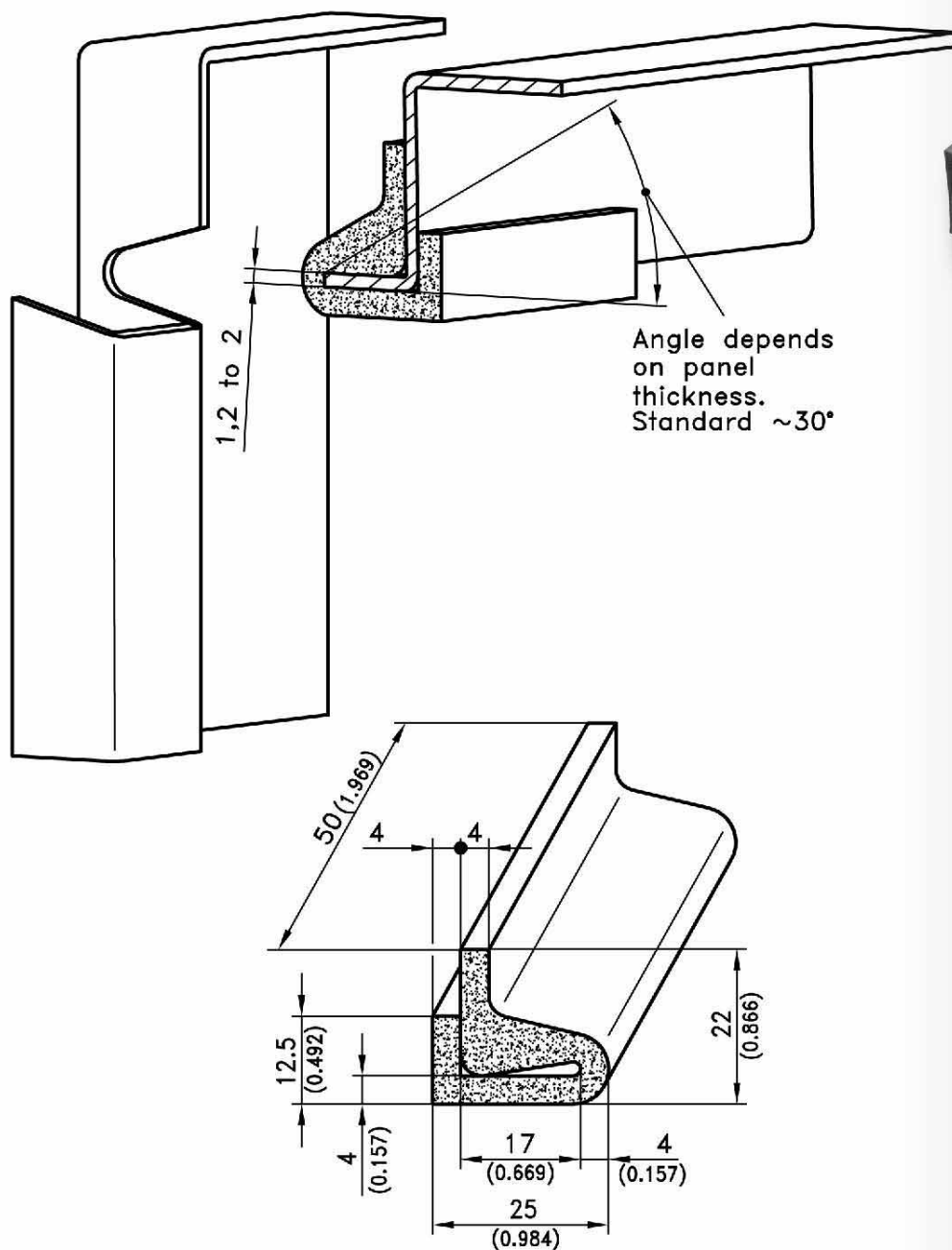
www.dirak.com

Now you have options!

Seal for Double Doors

Page

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Seal for double doors

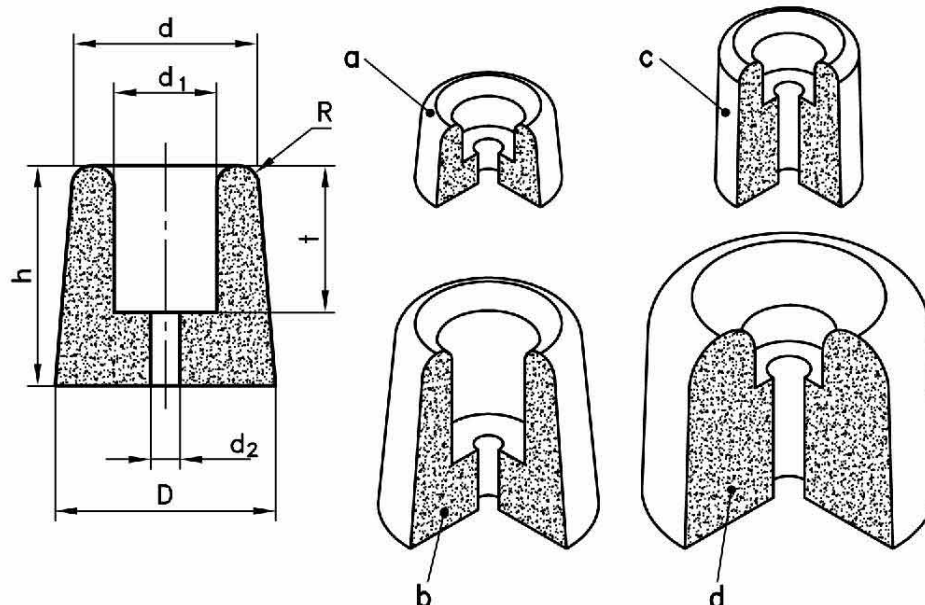
Material:

- EPDM 15° Shore A

Part No. 209-1204.00-00050

D 21/03/02
A 1/15/03

Rubber and Mushroom type bumpers



Part No. Rubber	D	d	h	d ₁	d ₂	t	R
a) 209-3001	20/0.787	18/0.709	12/0.472	10/0.394	4/0.157	7/0.276	2/0.079
b) 209-3002	30/1.181	25/0.984	30/1.181	14/0.551	4/0.157	20/0.787	2.75/0.108
c) 209-3003	20/0.787	19/0.748	22.5/0.886	10/0.394	4/0.157	8/0.315	2/0.079
d) 209-3004	40/1.575	38/1.496	32/1.260	13/0.512	6/0.236	12/0.472	6/0.236

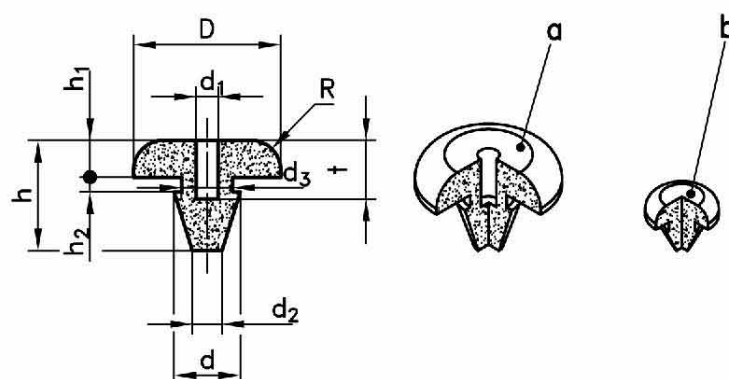


Cylindrical and mushroom type bumpers in a variety of dimensions.

- Universal in use and made of rubber, they offer long service lives and an economical answer to many needs.
- Among the advantages DIRAK rubber bumpers offer are:
- Protection against damage to other components when opening and closing hinged hatch covers or doors.
- Used as rubber feet, they absorb vibration, too.
- Vigorous movements are damped.
- Scratches on the floor are prevented.

Material:

- Rubber and mushroom type bumpers: EPDM / NR, black
- Rubber bumpers: Shore A 70-80°
- mushroom type bumpers: Shore A 60°



Part No. Mushroom	D	d	h	d ₁	d ₂	d ₃	h ₁	h ₂	t	R
a) 209-3101	20/0.787	9/0.354	15/0.591	3/0.118	4	7/0.276	5	2/0.079	8/0.315	4
b) 209-3102	10/0.394	6/0.236	8.5/0.335	-	2	5/0.197	3	1.5/0.059	-	2



METALIKA

Tehnika zatvaranja KACIN

11253 SREMČICA, Kir Janjina 2 | T/F 011 25 21 756
M 062 311 768 | srbija@metalika-kacin.com

ZATVARAMO - OTVARAMO - NIVELIŠEMO - POVEZUJEMO

Široki izbor okova i pribora za proizvodnju prekidnih i upravljačkih ormarića, kućišta za elektro opremu, elektroniku, telekomunikacijsku, tehnološku, klimatsku i drugu tehniku, za ugradnju kod izrade mašinske opreme i vozila.



Brave, zatvarači, sistemi zatvaranja



Šarke, klavirski šarniri, spona



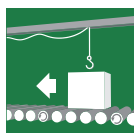
Ručke, pribor, kopče



Zaptivni gumeni profili



Plinski amortizeri



Transportni valjci i transportna oprema



Točkovi - stabilni, okretni



Standardni elementi za stezanje



Adapteri za punjenje plinskih medija



Plastični čepovi, vijci i elementi



Teleskopske kuglične vodilice

Preporučuje se ekipa Metalike Kacin.