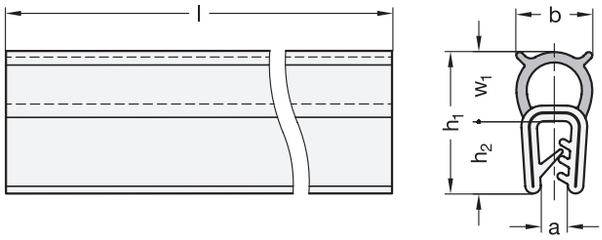
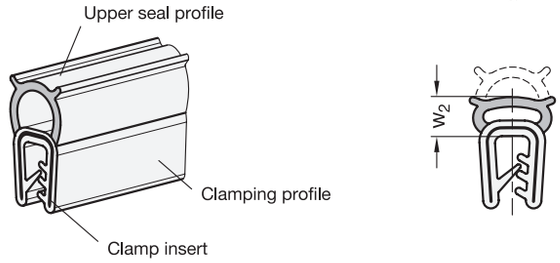
GN 2180 | Edge Protection Seal Profiles

Material NBR / EPDM (UL Certified)

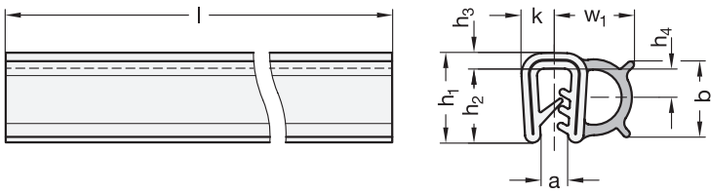
JW WINCO® A Ganter Company

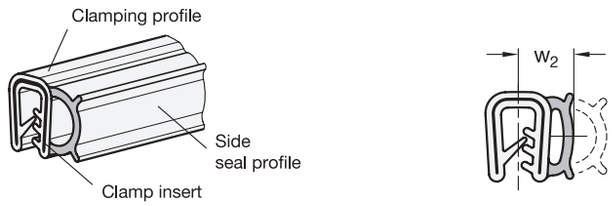
Type **A**





Type **D**





Metric

3 Type

A Upper seal profile
D Side seal profile

Specification

1

- Clamping profile / sealing profile
  Ethylene propylene diene rubber **EPDM**
  - Black
  - Clamping profile hardness 65 ±5 Shore A
  - Sealing profile hardness 25 ±5 Shore A
  - Temperature resistant from:
    -40 °F to +212 °F (-40 °C to +100 °C)
  Acrylonitrile butadiene rubber **NBR**
  (Only for sizes h_1 = 20.5 and 13 mm)
  - Black
  - Clamping profile hardness 60 ±5 Shore A
  - Sealing profile hardness 25 ±5 Shore A
  - Temperature resistant from -22 °F to +212 °F (-30 °C to +100 °C)
- Clamp insert
  Steel wire polyester clamping band
- *Elastomer Characteristics → page 2135*
- RoHS compliant

Information

GN 2180 edge protection seal profiles can be used to seal doors, covers and hatches. The profiles are pressed by hand onto the front of metal sheets and plates. The embedded clamp insert prevents detachment. Glue or other adhesives are not required.

When assembled, the profile should deform slightly according to w_2. This ensures an optimal seal. Adherance to the guideline placement radii (r_1 to r_4) is recommended in order to ensure a tight profile seal and to make assembly easier.

The NBR profiles are recommended for use in cases where contact with fuels, oils or coolants can occur.

EPDM profiles are certified according to UL 50 and UL 94-HB and are therefore approved for the US American and the Canadian market.

see also...

- *Technical Information → page 1313*
- *Edge Protection Seal Profiles GN 2182 → page 1320*
- *Edge Protection Profiles GN 2184 → page 1322*

How to order

1 2 3 4
GN 2180-EPDM-11.5-D-20

1	Material
2	Height h_1
3	Type
4	Length l

Metric table

Dimensions in: millimeters - *inches*

Type A

h_1	Length **l** in meters		**a** Clamping range	**b**	h_2	r_1	r_2	r_3	w_1	w_2 At up to 50% of permissible deformation
15.5 *0.61*	20	50	0.8 - 2.5 *0.03 - 0.10*	8.5 *0.33*	9 *0.35*	80 *3.15*	50 *1.97*	20 *0.79*	6.5 *0.26*	5 *0.20*
20.5 *0.81*	20	50	1 - 3.5 *0.04 - 0.14*	11 *0.43*	10.5 *0.41*	90 *3.54*	50 *1.97*	30 *1.18*	10 *0.39*	7 *0.28*

Type D

h_1	Length **l** in meters		**a** Clamping range	**b**	h_2	h_3	h_4	**k**	r_1	r_2	r_3	r_4	w_1	w_2 At up to 50% of permissible deformation
11.5 *0.45*	20	50	0.8 - 2.5 *0.03 - 0.10*	8.75 *0.34*	9 *0.35*	2.5 *0.10*	3.75 *0.15*	4 *0.16*	30 *1.18*	40 *1.57*	80 *3.15*	40 *1.57*	8.5 *0.33*	6.75 *0.27*
13 *0.51*	20	50	1 - 3.5 *0.04 - 0.14*	11 *0.43*	10.75 *0.42*	2.25 *0.09*	4.5 *0.18*	4.75 *0.19*	40 *1.57*	50 *1.97*	100 *3.94*	80 *3.15*	11.25 *0.44*	8.75 *0.34*