

# AbbeySeals

**THE SEAL SPECIALISTS**



MADE IN IRELAND

■ SEAL MANUFACTURERS

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■ GASKET CUTTERS

## Extrusions Brochure



**DUBLIN** T: +353 (0)1 427 7900

**CORK** T: +353 (0)21 500 3555

**abbeyseals.ie**

These profiles are used in a wide range of industries including agriculture, automotive, glass & glazing, windscreen replacement, construction, engineering & transportation.

Our range includes flexible self-grip, caravan window seals and glazing seals, all available in a variety of profiles and lengths.

**DUBLIN**  
**dublin@abbeyseals.ie**



**CORK**  
**cork@abbeyseals.ie**

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**CORK T: +353 (0)21 500 3555**

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### **NR – NATURAL RUBBER**

A material with excellent physical properties, natural rubber has good abrasion and low temperature resistance, however, it is not resistant to oils, fuels, or UV exposure.

Temperature range: -60°C to +75°C

Hardness Shore A: 50°C to 80°C

### **EPDM – ETHYLENE PROPYLENE DIENE MONOMER**

This is a material with good physical properties that include excellent resistance to UV, many chemicals, steam and ageing. It is not, however, compatible with oils or fuels.

Temperature range: -50°C to +130°C

Hardness Shore A: 50°C to 80°C

### **CR NEOPRENE – POLYCHLOROPRENE RUBBER**

Chloroprene rubber is fairly resilient when in contact with oils and chemicals, but has exceptional resistance to UV. This material also has excellent flame retardation qualities.

Temperature range: -40°C to +95°C

Hardness Shore A: 50°C to 80°C

### **NBR NITRILE – ACRYLONITRILEBUTADIENE RUBBER**

A material with exceptional resistance to oils and good resistance to fuels, but is not suitable for applications with prolonged exposure to UV.

Temperature range: -20°C to +100°C

Hardness Shore A: 50°C to 80°C

### **PVC**

PVC is an excellent material for use when chemical and UV resilience is required. It also has good physical characteristics including resistance to corrosion.

Temperature range: -20°C to +40°C

### **TPR – THERMOPLASTIC RUBBER**

This material has excellent UV and temperature properties, and has reasonable resistance to oils and fuels.

Temperature range: -20°C to +60°C

### **SI – SILICONE**

This material has little resistance to fuels, however, has excellent physical properties including temperature, UV, oils and chemical resistance.

Temperature range: -60°C to +200°C

Hardness Shore A: 30°C to +70°C

### **SBR – STYRENE BUTADIENE RUBBER**

SBR has good physical characteristics including resistance to wear and abrasion, but is not recommended where contact with oils, fuels or high levels of UV are likely.

Temperature range: -55°C to +85°C

Hardness Shore A: 60°C to +70°C

### **FPM – VITON**

FPM has excellent all-round properties including resistance to high temperature, chemicals, oils and fuels.

Temperature range: -20°C to +200°C

Hardness Shore A: 70°C to 80°C

### **POLYURETHANE – PU**

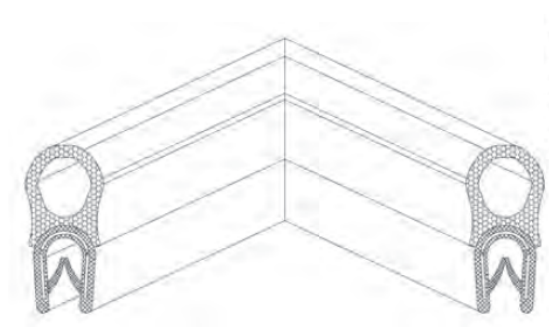
Polyurethane is a material with high levels of flexibility and elasticity. With good resistance to abrasion, it is also effective when in contact with high temperature and oils.

Temperature range: -30°C to +85°C.



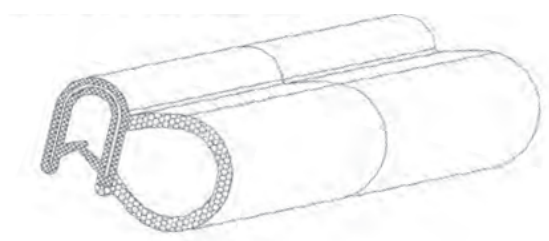
# FLEXIBLE SELF GRIP SEALING PROFILES

Sealing profiles are a combination of PVC edge protectors with bonded sponge rubber profiles or a co-extrusion of solid and sponge rubber. These profiles have a dual function; they cover sharp or unfinished edges and also offer a sealing function. The sponge rubber tubes are extremely flexible and are suitable for sealing doors, hatches and numerous other applications. The assembly is similar to edge protectors.



## MANUFACTURING TOLERANCES

Soft Rubber	DIN ISO 3302-1 E2
Sponge Rubber	DIN ISO 3302-1E3
Soft PVC	DIN 16941 3B
Custom Lengths	DIN ISO3302-1 L3/16941-4B



Sealing profiles as a combination between PVC edge trim and sponge rubber can have up to two glued joints.

All profiles shown on the following pages are available in custom lengths, frames, or rings.

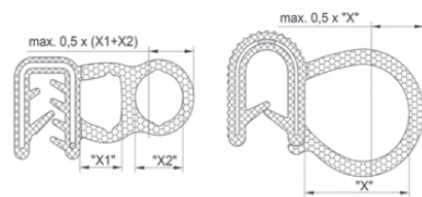
Other colours and qualities such as food compatible, flame resistant or self-extinguishing qualities are available upon request.

## APPLICATION FOR THE EDGE PROTECTORS

Edge protection profiles simplify the finishing of edges. They eliminate the preparatory and follow-up work and a cover sheet metal edges. Furthermore, their decorative effect is often desired.

The edge protectors consist of a U-shaped metal base, either a steel strip or wire carrier, jacketed with PVC or rubber. These guarantee a tight grip on the edge, even if radii or bends have to be converted. In some of these profiles, the clamping effect is heightened by PVC lips incorporated into the PVC jackets.

The edge protectors are pressed onto the edge by hand or with a rubber or thermoplastic hammer. Glues or special attachment aids are not required, installation is simple and quick.

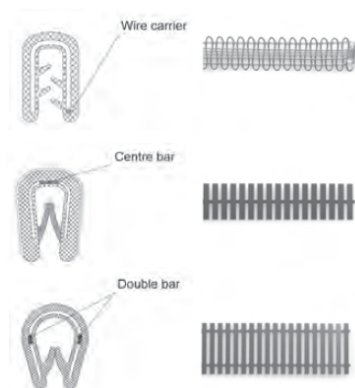


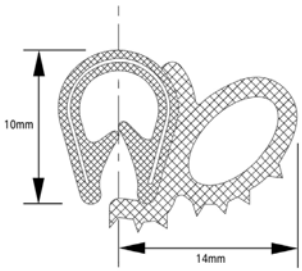
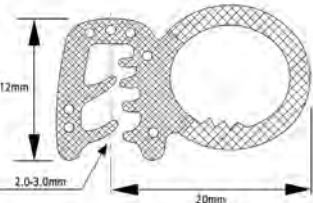
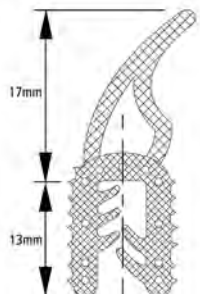
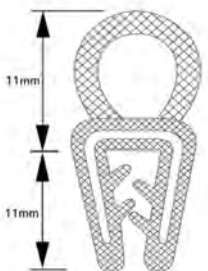
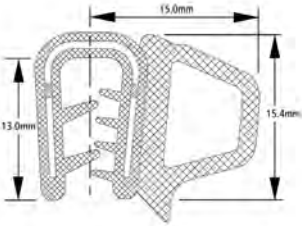
## MANUFACTURING TOLERANCES

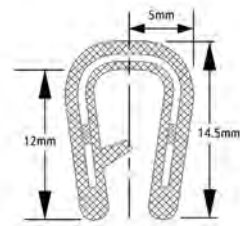
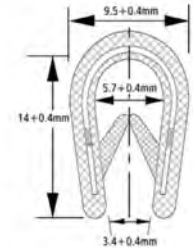
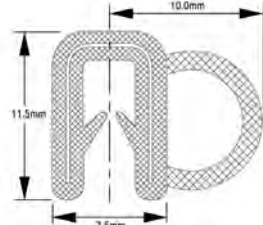
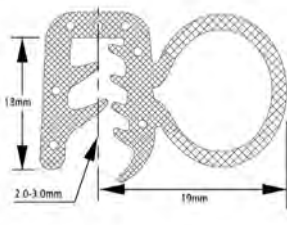
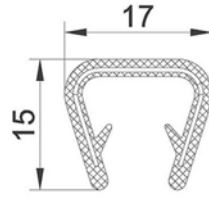
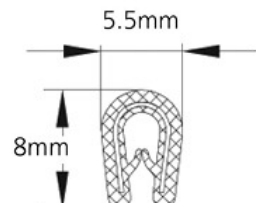
PVC according to DIN 16941  
Tolerances of custom length based upon DIN 16941 4B

## COMPRESSION RECOMMENDED FOR SEALING EDGE PROTECTION PROFILES

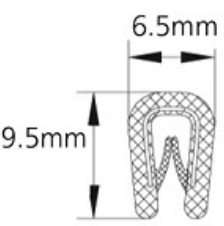
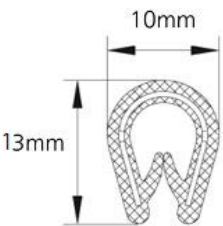
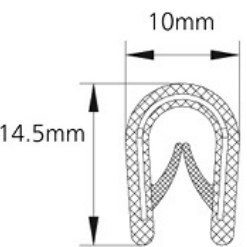
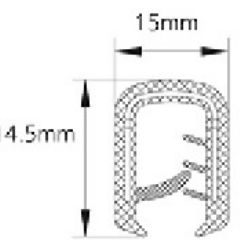
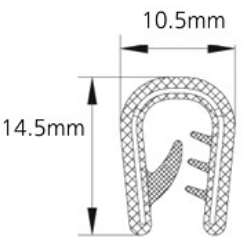
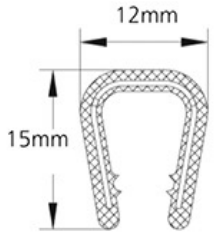
The compression of our sealing edge protection profile should have a maximum of 50% as otherwise the compactness, and the restoring force are affected. In practice, the profile should be compressed 30-40%.

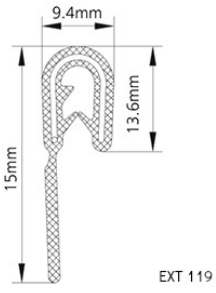
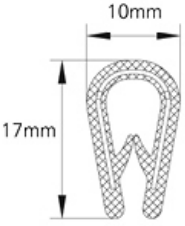
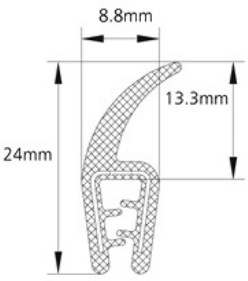
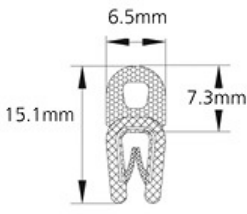
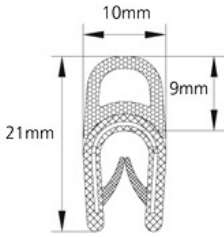
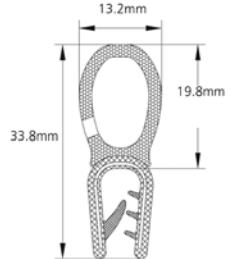


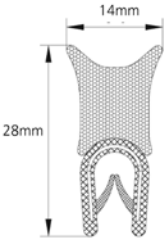
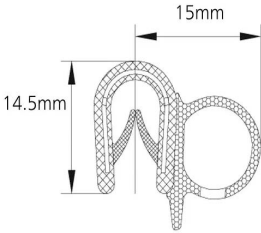
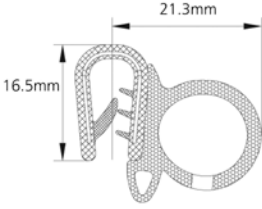
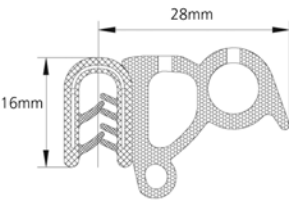
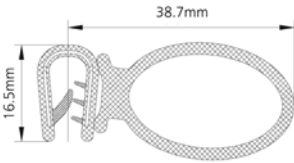
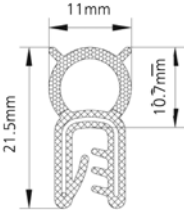
Flexible Self Grip	Ref.	Panel Gauge (mm)
	EXT 101	1.0 - 2.0
	EXT 102	2.0 - 4.0
	EXT 103	2.0 - 3.0
	EXT 104	1.0 - 3.0
	EXT 105	2.0 - 4.0

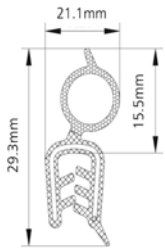
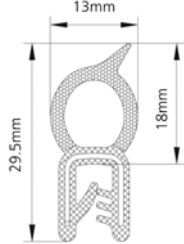
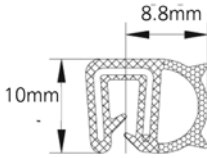
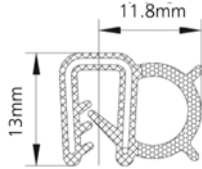
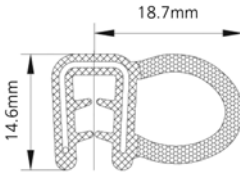
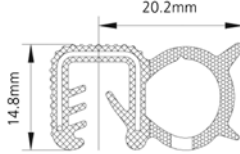
Flexible Self Grip	Ref.	Panel Gauge (mm)
	EXT 107	3.0 - 5.0
	EXT 108	1.0 - 3.0
	EXT 109	1.0 - 3.0
	EXT 110	2.0 - 4.0
	EXT 111	10.0 - 12.0
	EXT 112	0.8 - 1.5

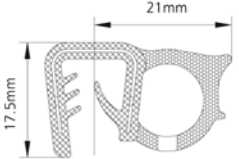
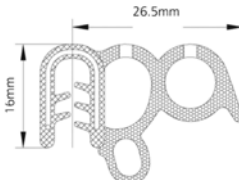
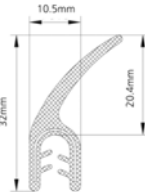
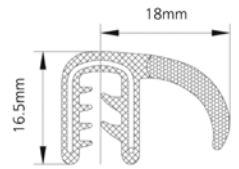
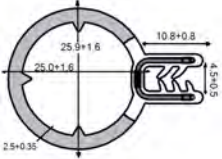


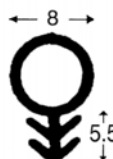


Flexible Self Grip	Ref.	Panel Gauge (mm)
	EXT 113	1.0 - 1.5
	EXT 114	1.0 - 4.0
	EXT 115	1.0 - 4.0
	EXT 116	2.0 - 5.0
	EXT 117	2.0 - 5.0
	EXT 118	6.0 - 8.0

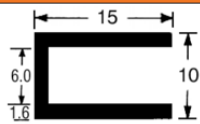
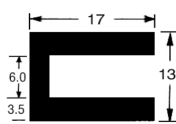
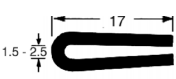
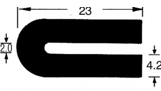
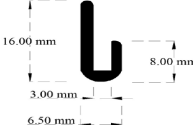
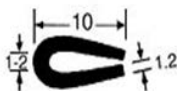
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	EXT 120	1.0 - 4.0
	EXT 121	0.5 - 3.0
	EXT 122	1.0 - 2.0
	EXT 123	1.0 - 4.0
	EXT 124	1.0 - 2.5


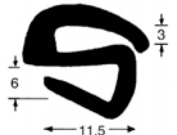
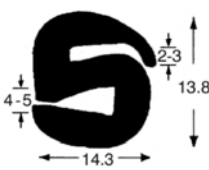
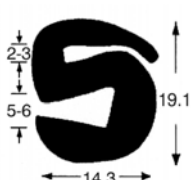

Flexible Self Grip	Ref.	Panel Gauge (mm)
	EXT 126	1.0 - 4.0
	EXT 127	1.0 - 3.0
	EXT 128	2.5 - 4.0
	EXT 129	2.5 - 4.0
	EXT 130	3.0
	EXT 131	1.0 - 3.0

Flexible Self Grip	Ref.	Panel Gauge (mm)
	EXT 132	1.0 - 3.0
	EXT 133	1.0 - 3.0
	EXT 134	1.0 - 2.0
	EXT 135	1.0 - 2.0
	EXT 136	1.5 - 3.0
	EXT 137	4.0 - 6.0

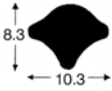




Flexible Self Grip	Ref.	Panel Gauge (mm)
	EXT 138	4.0 - 6.0
	EXT 139	1.5 - 3.5
	EXT 140	1.0 - 3.0
	EXT 141	2.0 - 3.0
	EXT 185	2.5 - 4.0

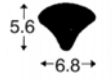



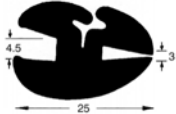
Bead Profiles	Ref.	Bead Dia. (mm)	Flange Width (mm)
	EXT 146	8	5.5
	EXT 177	9.8	4.2
	EXT 341	9	6.1

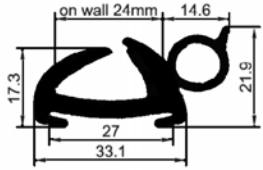
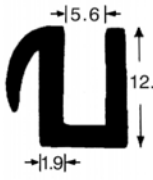
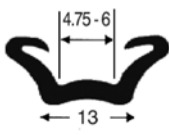
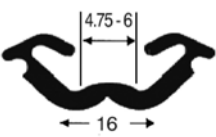

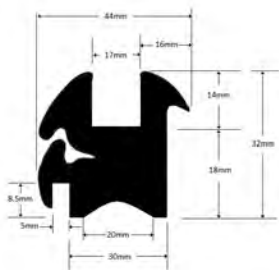
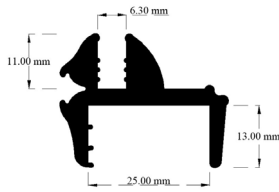
U Channels	Ref.	Glass Gauge (mm)	Panel Gauge (mm)
	EXT 147	-	6
	EXT 170	-	6
	EXT 171	-	1.5 - 2.5
	EXT 173	-	2.0
	EXT 179	-	-
	EXT 186	-	1 - 2

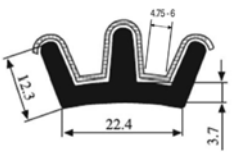
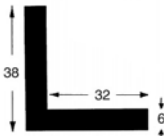
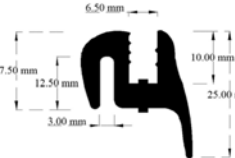
Glazing Seals	Ref.	Glass Gauge (mm)	Panel Gauge (mm)
	EXT 158 3mm	2-3	2-3
	EXT 160	6	3
	EXT 161 4mm	4.5	2-3
	EXT 162 6mm	5-6	2-3
	EXT 182 4.5mm	4-5	2-3

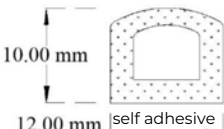
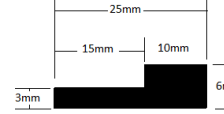
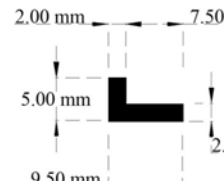
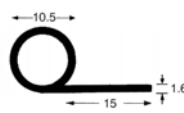


Glazing Seals	Ref.	Glass Gauge (mm)	Panel Gauge (mm)
 <p>Also Available in Chrome</p>	EXT 150	-	-
	EXT 148	6	2.6 - 3.2
	EXT 149	6	6
	EXT 156	4.5	4.5
	EXT 157	6	1.2 - 1.6

Glazing Seals	Ref.	Glass Gauge (mm)	Panel Gauge (mm)
	EXT 155	-	-
	EXT 151	3	1.2 - 1.6
	EXT 152	3	3
	EXT 153	4.5	1.2 - 1.6
	EXT 154	4.5	3

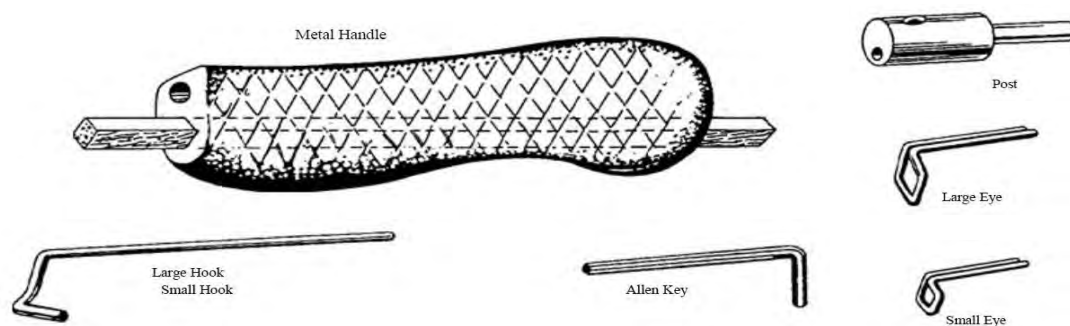
Glazing Seals	Ref.	Glass Gauge (mm)	Panel Gauge (mm)
	EXT 144	-	-
	EXT 164 6mm	5-6	-
	EXT 165	4.75 - 6.0	-
	EXT 166	4.75 - 6.0	-
	EXT 167	4.75 - 6.0	-
	EXT 175	-	-
	EXT 176	-	-

Glazing Seals	Ref.	Glass Gauge (mm)	Panel Gauge (mm)
	EXT 168	4.75 - 6.0	-
	EXT 169	-	-
	EXT 174	6.5	-

Alternative Profiles	Ref.
	EXT 178
	EXT 180
	EXT 181
	EXT 184

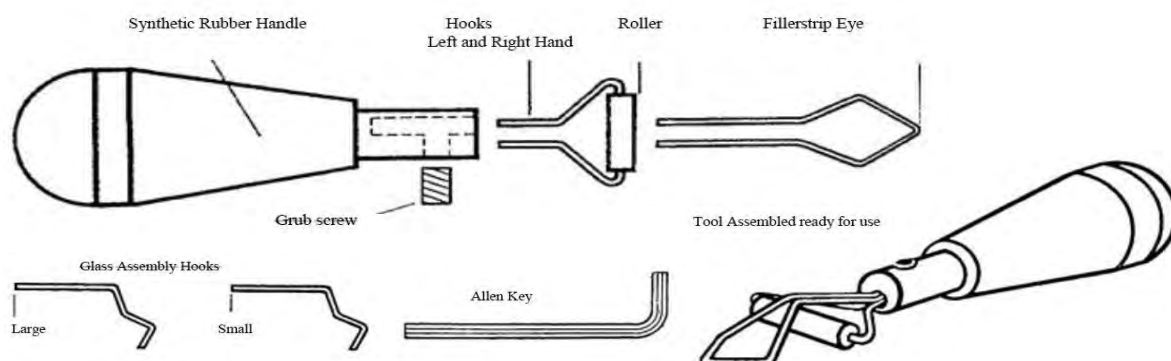
## FITTING TOOL TO SUIT RUBBER FILLER (Claytonrite Type)

TOOL EXT R



## FITTING TOOL TO SUIT PVC CHROME FILLER (Claytastic Type)

TOOL EXT CH.



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