

SPECIAL PRODUCTS FOR EXTREME CONDITIONS
ZOR ŞARTLARA ÖZEL ÜRÜNLER



FIRIN, KAPI CONTA KATALOĞU
OVEN, DOOR SEALS CATALOG

 2014
ZENGİN RENK SEÇENEKLERİ
WIDE COLOR OPTIONS

FIRIN KAPI CONTALARI

OVEN, DOOR SEALS



YAPITAŞ Kablo ve Profil, ağır kullanım koşullarına dayanıklı contalar da dahil olmak üzere her biçim ve ölçüde silikon kauçuk parçalar üretmektedir.

YAPITAS Cable and Profile, manufactures any type of silicone rubber profile in any requested dimension for sealing under hazardous conditions and extreme conditions.

Ürünlerimizin sertliği 20° shore ile 90° shore arasındadır.

Our hardness range is between 20° shore and 90° shore.

Ev aletleri ve mutfak gereçleri sektörü:

Cihaz çeşidi çok olan bu sektörde söz konusu cihazların kauçuk kullanımları da çok yüksektir. Cihazların bazı parçalarında gereken teknik özellikleri sadece silikon kauçuk karşılayabilmektedir. Bu gibi durumlarda ve hatta başka tür kauçukların toleranslarının talebi karşıladığı noktalarda dahi, yüksek sıcaklık dayanımı, ses absorbesi, yüksek izolasyon gibi özelliklerinden dolayı silikon kauçuk kullanılmaktadır.

Silikon kauçuk profil ve fitillerin önemli özellikleri :

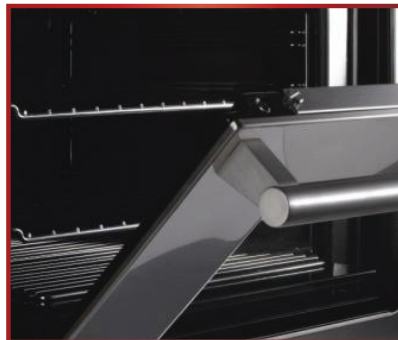
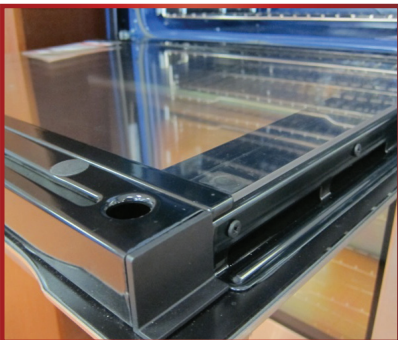
- Gıdaya uygunluk.
- 130°C dereceye kadar buhara dayanım.
- 300°C dereceye kadar sıcaklığa dayanım.
- Yırtılmaya, baskıya ve ziksel zorlamalara karşı dayanımda ideal kombinasyon.
- Basınç hortumlarının polyester veya cam elyasa örülerek güçlendirilebilmesi özelliği.

Domestic Devices & Kitchen Industry:

Because of a very high variety of different devices, the requirements for rubber articles are extremely high. In many cases they could be met only by silicone type products. For some articles usage of silicone rubber is very common, not only because of the possibility to compensate the tolerances of the component parts, but also on account of the specific high thermal and sound isolation level. The necessary properties of rubber articles in this field are very good fulfilled by HCR rubber.

Silicone rubber gaskets profile and important features:

- Food compatibility
- Good resistance against steam up to 130°C.
- Very high level of thermal resistance up to 300°C
- Very interesting combination of the physical properties, especially concerning tear strength and compression set.
- Production of pressure hoses by a textile reinforcing with polyester or fiberglass.



TEKNİK ÖZELLİKLER

TECHNICAL



YANGINA KARŞI DAYANIM:

Silikon kauçukların çoğu UL94HB standardında belirtilen ateşe dayanım özelliklerini karşılamaktadır. Toplu taşımacılık sektörü gibi daha zor şartlar için talep edilen silikonlar kauçuklar UL94V0 ve V1 standardını karşılamaktadır ve BS6853 CAT 1A ve Fransız standardı olan NF F16-101'e uygundur. Diğer özel silikon kauçuklar Alman standardı olan B1 ve B2'yi karşılamaktadır.

FIRE PERFORMANCE:

Most Silicones easily meet the flame retardancy requirement of UL94HB. Special grades are available for the far more stringent requirements used in mass transit and meet UL94V0 and V1 and comply with BS6853 CAT 1A and the French standard NF F 16-101. Other specially formulated grades meet the German requirements of B1 and B2.

BUHARA DAYANIM:

Silikon kauçuk buhar ve sıcak suya karşı mükemmel dayanımlıdır. Farklı silikon kauçukların buhara karşı davranışları da farklılık göstermektedir. Yüksek esneklikteki silikon kauçuklar buhara karşı daha iyi çözümler sunmaktadır. Silikon kauçuk tipik olarak aşırı ısıtılmış 120°C derecede bulunan buhara en az altı ay dayanımlıdır

Çok yüksek sıcaklıklarda performans düşmekte ve silikon kauçuk sertleşip yırtılma eğilimine girmektedir.

STEAM RESISTANCE:

Silicones offer excellent resistance to steam and hot water.

The behaviour of different silicones in steam is however not uniform. Highly flexible grades tend to be more stable than those with high strength. Silicone typically can withstand continuous superheated steam at +120°C for at least six months.

Performance at higher temperatures is reduced significantly as the silicone tends to harden and become brittle more quickly.

YÜKSEK SICAKLIK PERFORMANSI:

Aşırı sıcaklıkta silikon kauçuk sıra dışı özellikler sergiler. Standart, genel olarak kullanılan silikon kauçuk çeşitleri -60°C dereceden +200°C dereceye kadar dayanım göstermektedir. Özel maddeler ekleyerek +250° dereceye , hatta daha özel türlerde +300°C dereceye ulaşılabilir.

Tasarımcılar ve mühendisler , silikon kauçuğun bu uç noktalara ulaşabilmesi için ortamda oksijene ihtiyaç duyduğu konusuna dikkat etmelidirler. Ortamda oksijenin olmadığı durumlarda, silikon kauçuk daha düşük sıcaklık derecelerinde özelliği bozulur ve zarar görür.

Silikon kauçuğu limitlerini zorlayarak ağır şartlarda sürekli olarak kullanmak, sıcaklığa bağlı yaşlanmasını etkileyecek ve ürünün ömrünü sınırlandıracaktır. Uygulamanın performansı aynı anda maruz kaldığı etkilere göre değişmektedir.

Örnek olarak, silikon kauçukta meydana gelen bir ürünün +240°C / +250°C derecede sürekli olarak kullanılmak istendiğinde, +250°C derecelik değil de +300°C derecelik silikon kauçuğun tercih edilmesi daha uygundur.

HIGH TEMPERATURE PERFORMANCE:

Silicones have extraordinary properties when exposed to extreme temperatures.

Standard generalpurpose grades can withstand -60°C to +200°C. With the addition of a heat stabiliser this can be increased to +250°C and with special grades up to +300°C is possible..

designers and engineers are reminded that Silicone requires the presence of Oxygen in order to achieve such extremes. In the absence of Oxygen, silicones will suffer reversion and deteriorate at a much lower temperature. using silicones at the extremes of their capabilities will naturally limit the life of the product through heat ageing and application performance can vary depending on the stresses applied at the time.

As an example, customers that want to use a silicone product for long periods at +240/+250°C will benefit from using a +300°C silicone rather than one for +250°C.

DÜŞÜK SICAKLIK DAYANIM (SOĞUĞA KARŞI DAYANIM)

Düşük sıcaklıklarda tüm standart silikon kauçuk ürünleri -40°C dereceden -60°C dereceye kadar esnekliklerini kaybetmezler. Hatta çok özel tür kauçuklar -116°C dereceye kadar özellikleri bozulmadan kalabilirler.

LOW TEMPERATURE PERFORMANCE

For low temperature application all standard grades retain good elastic properties down to -40 to -60°C.

Using a special Phenyl grade this can be extended to as low as -116°C

BÖLÜMLER / SECTION

FIRIN KAPI CONTALARI / OVEN DORR, SEALS

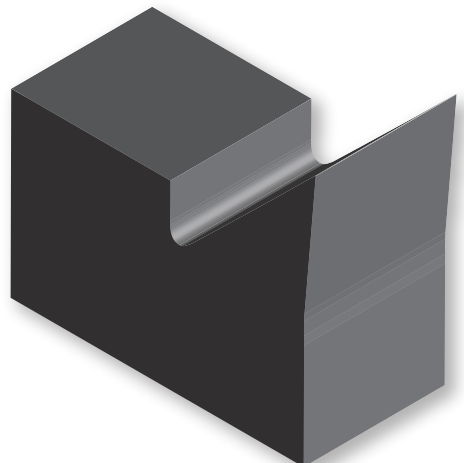
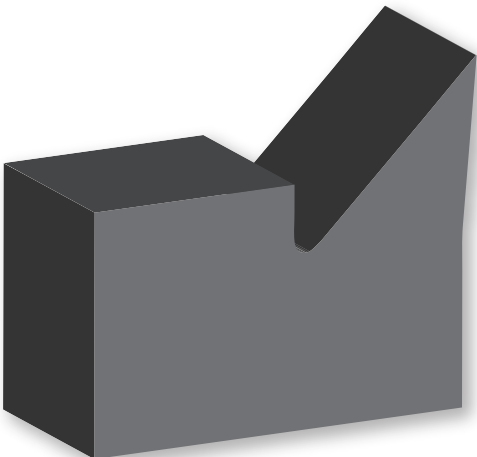
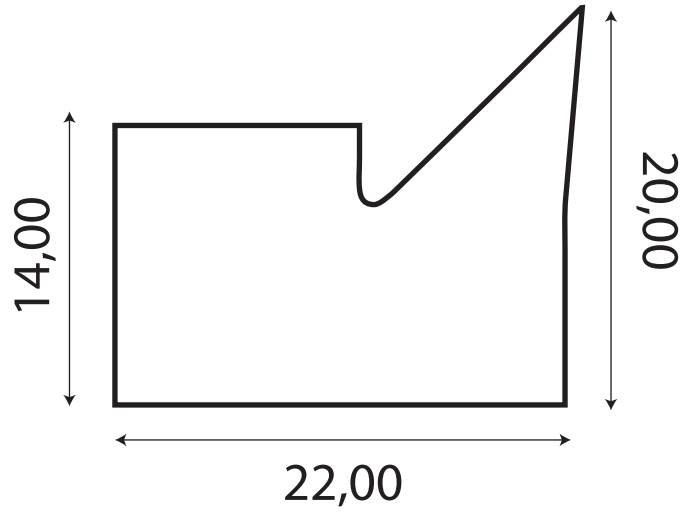
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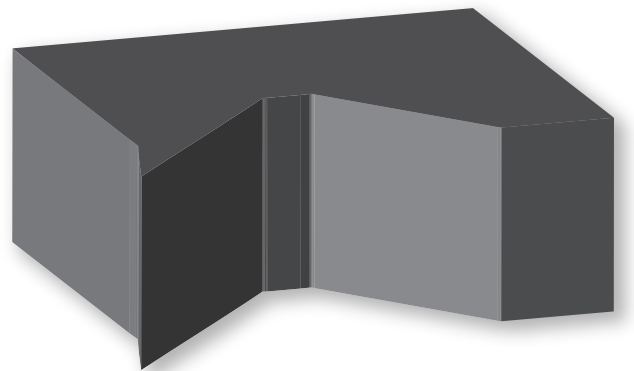
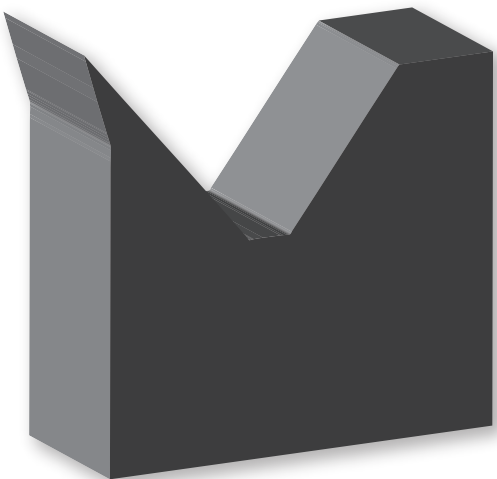
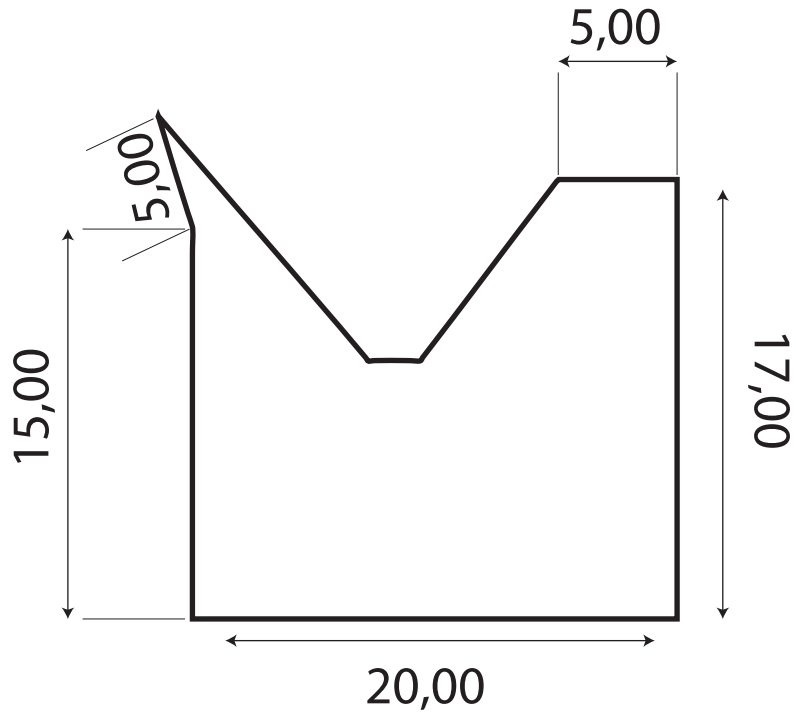
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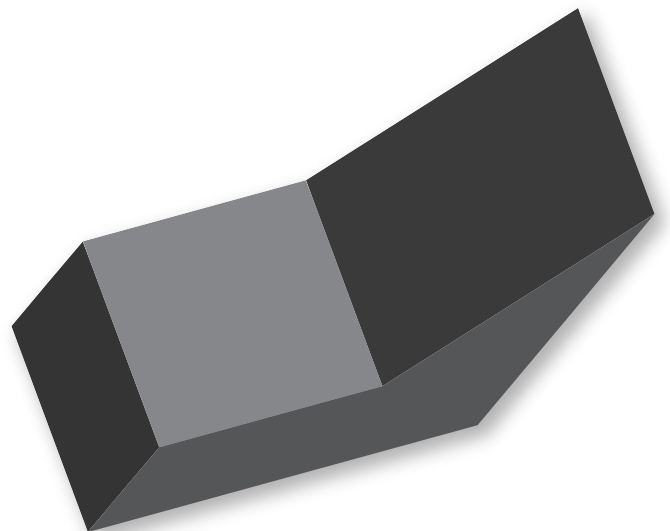
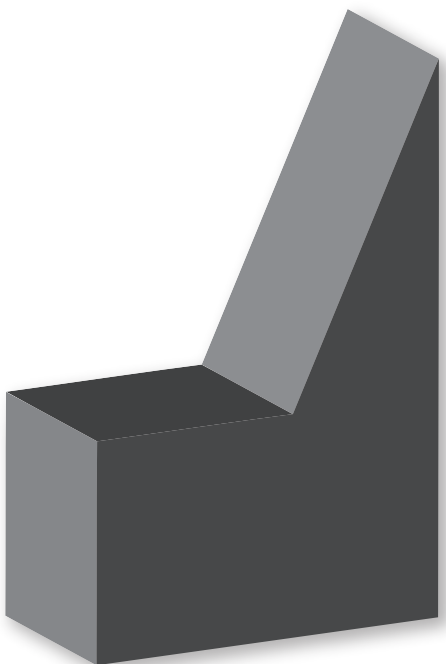
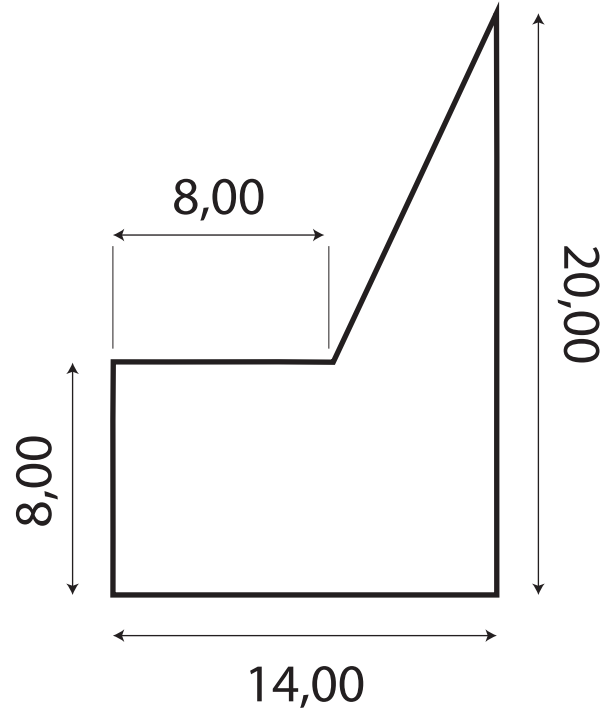
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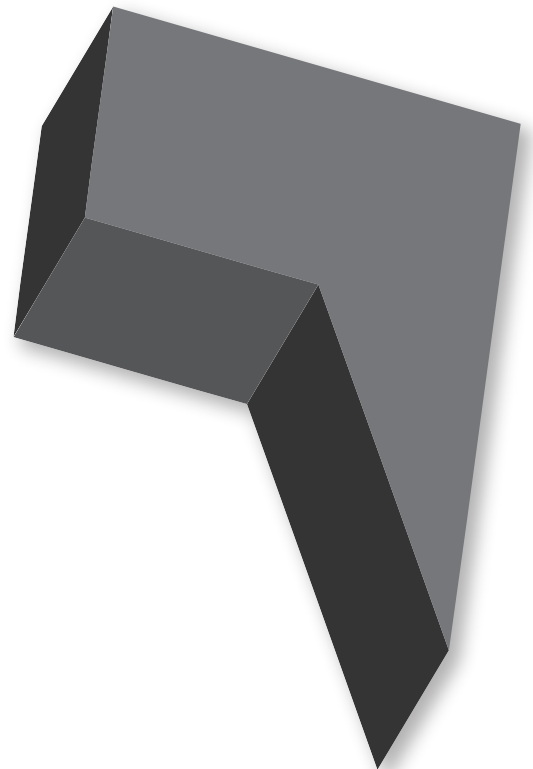
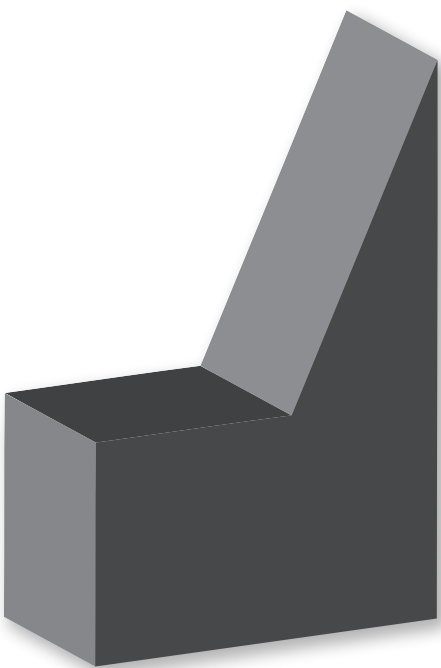
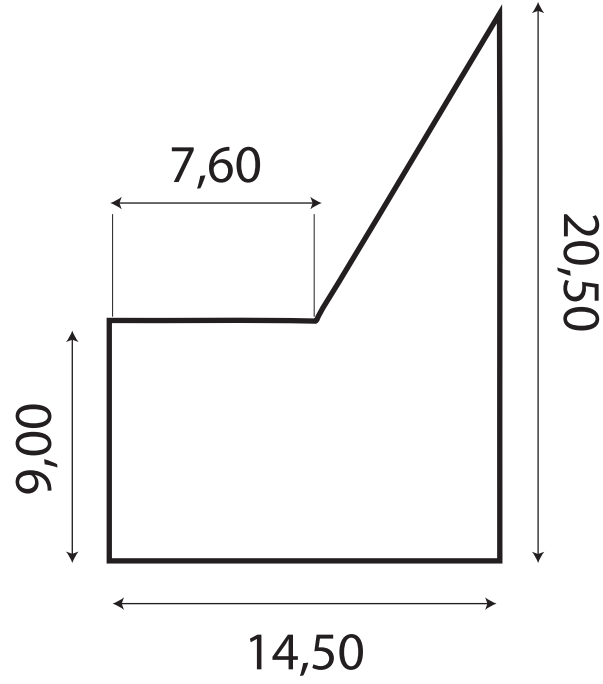
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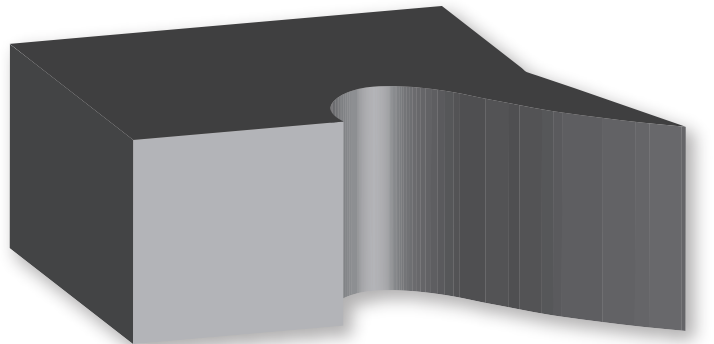
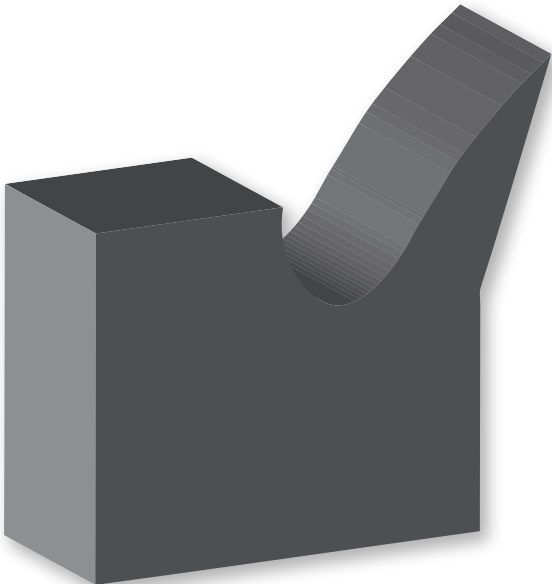
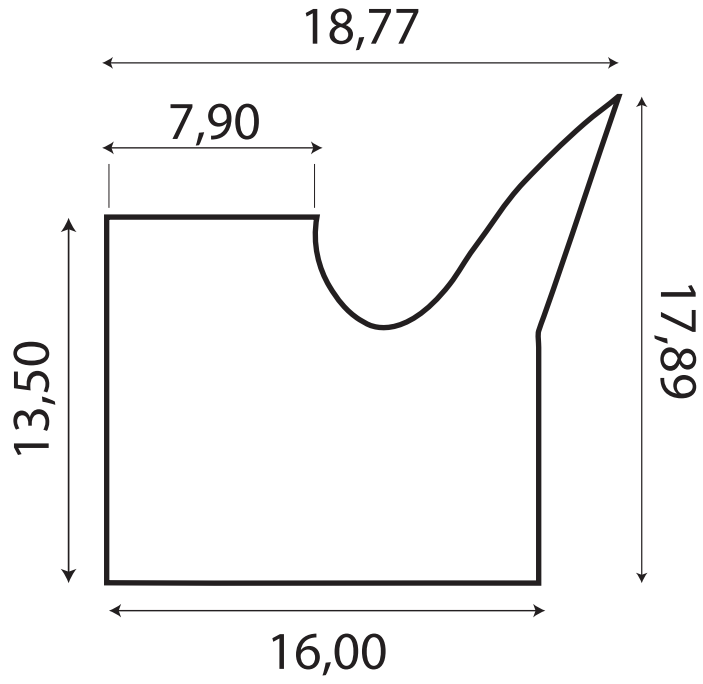
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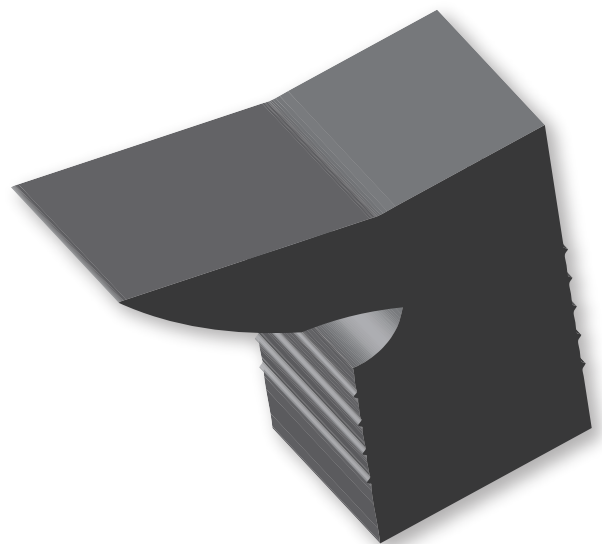
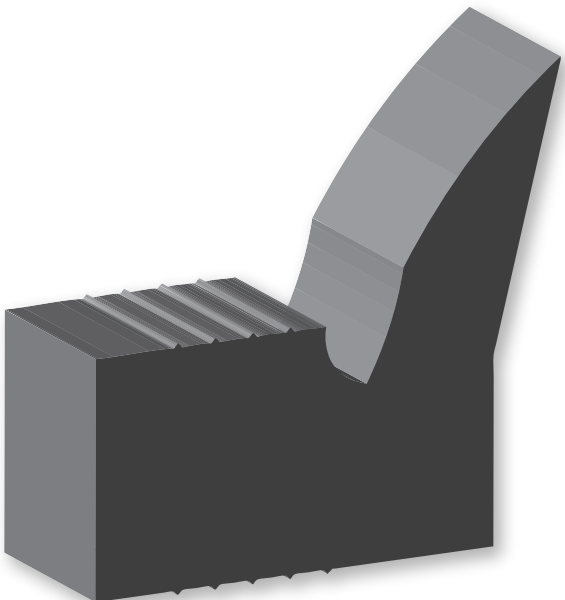
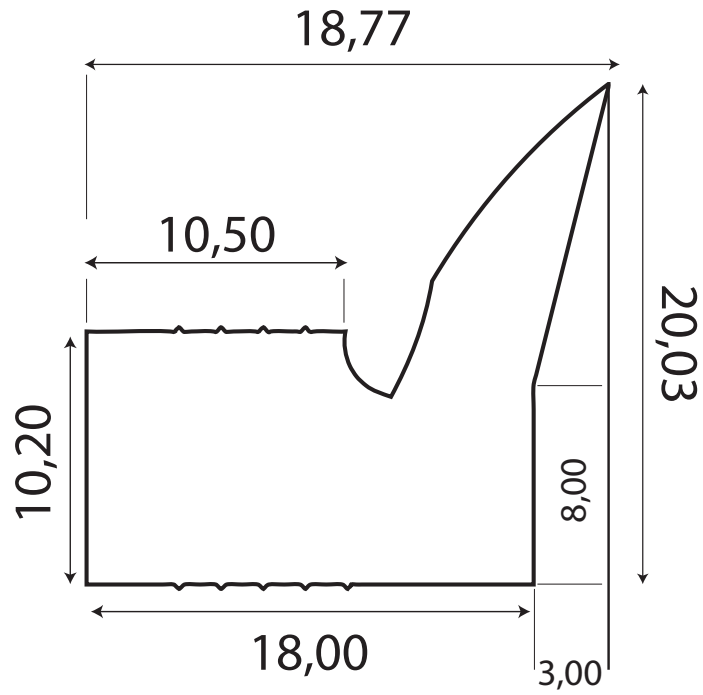
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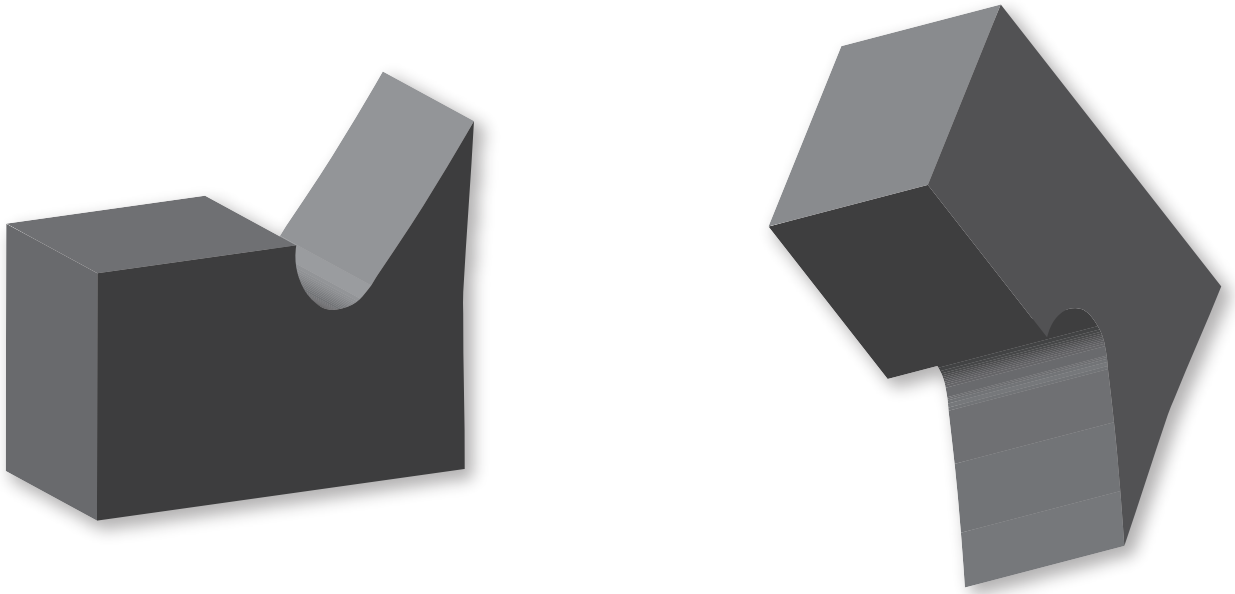
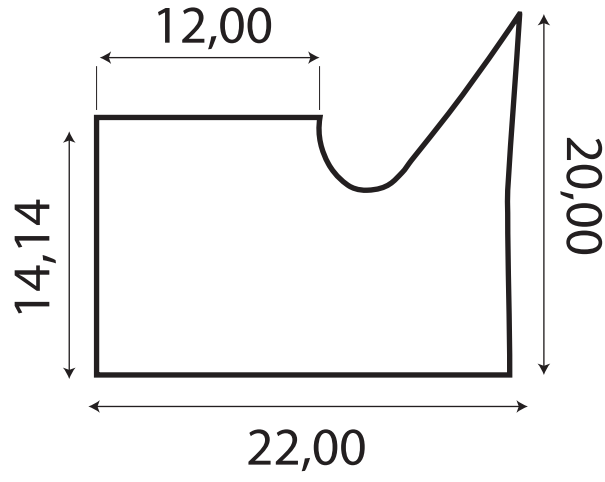
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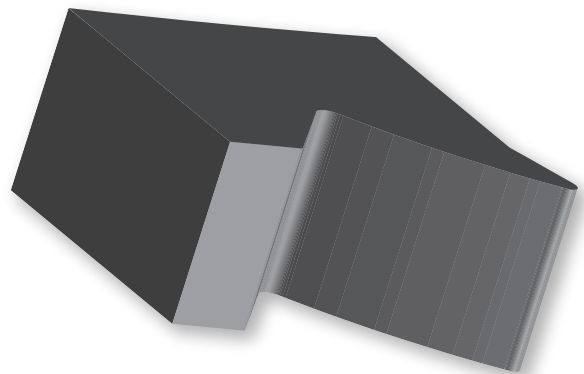
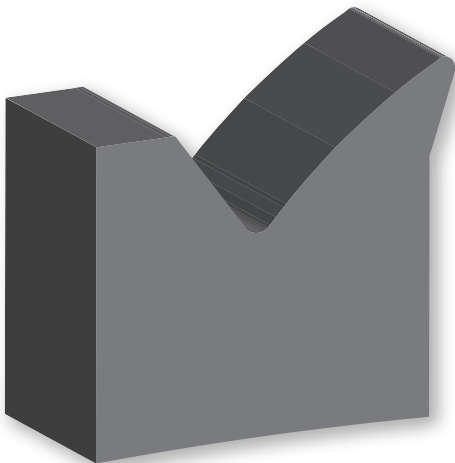
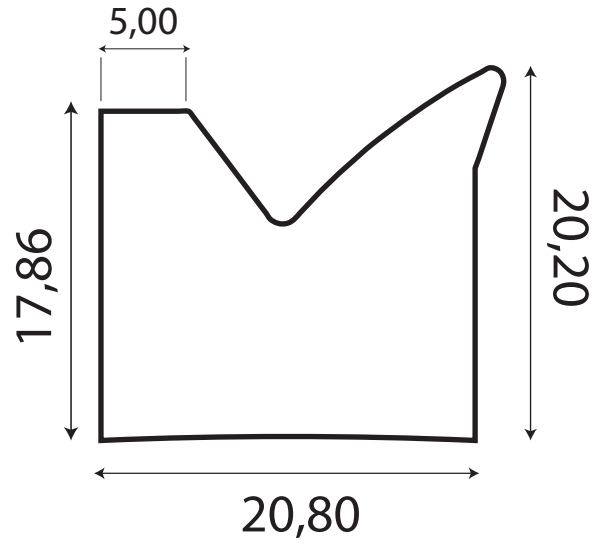
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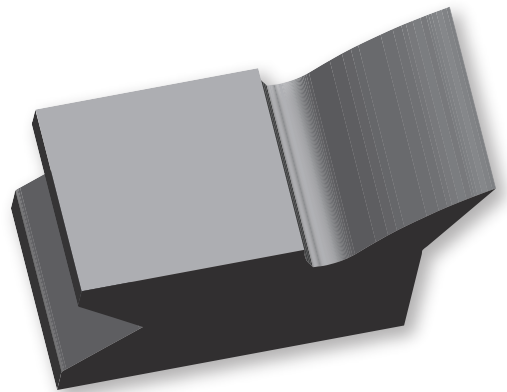
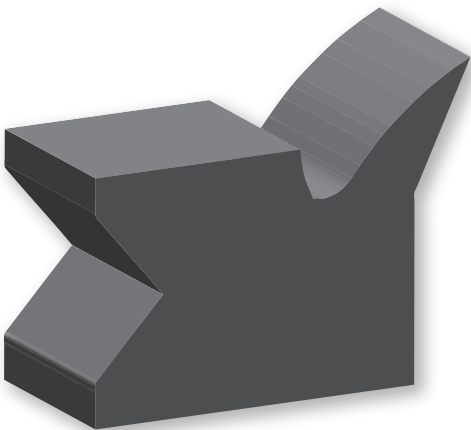
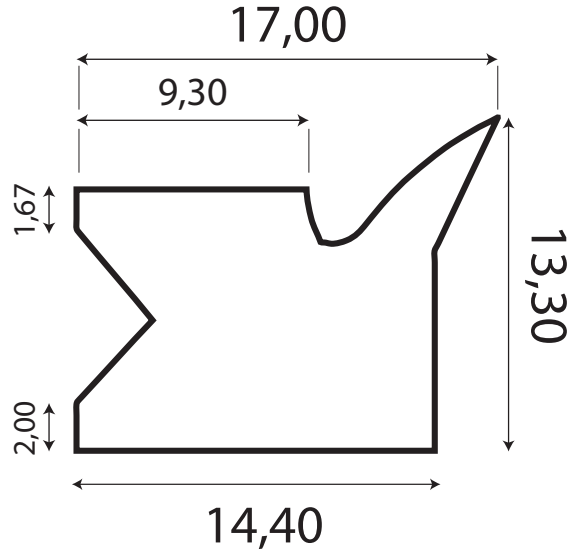
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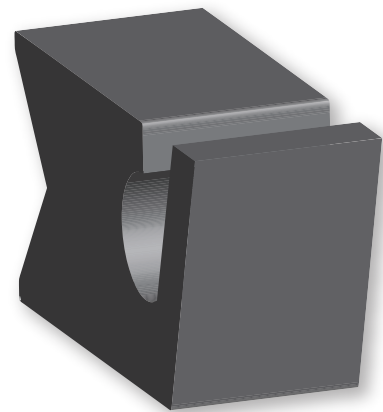
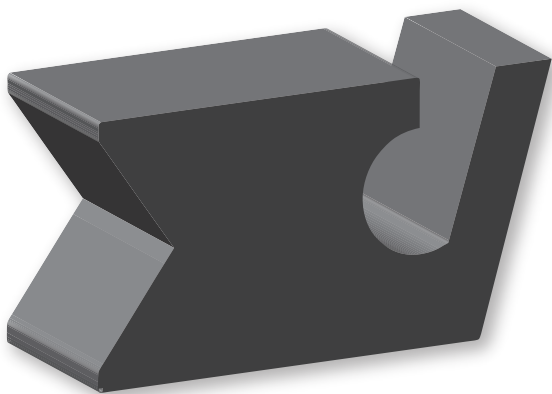
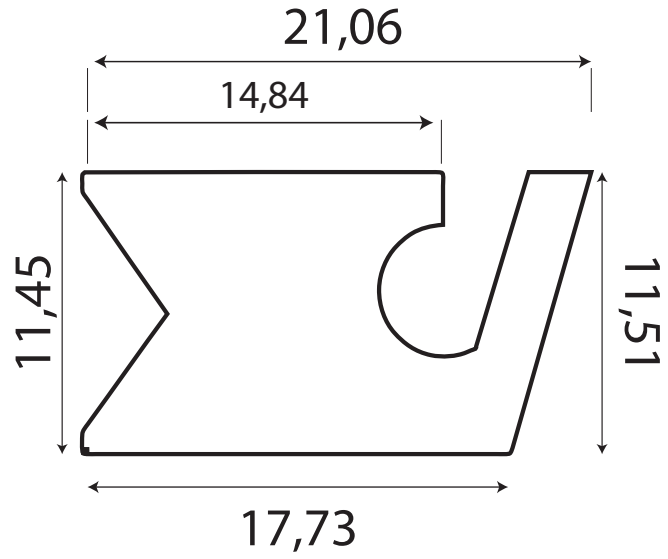
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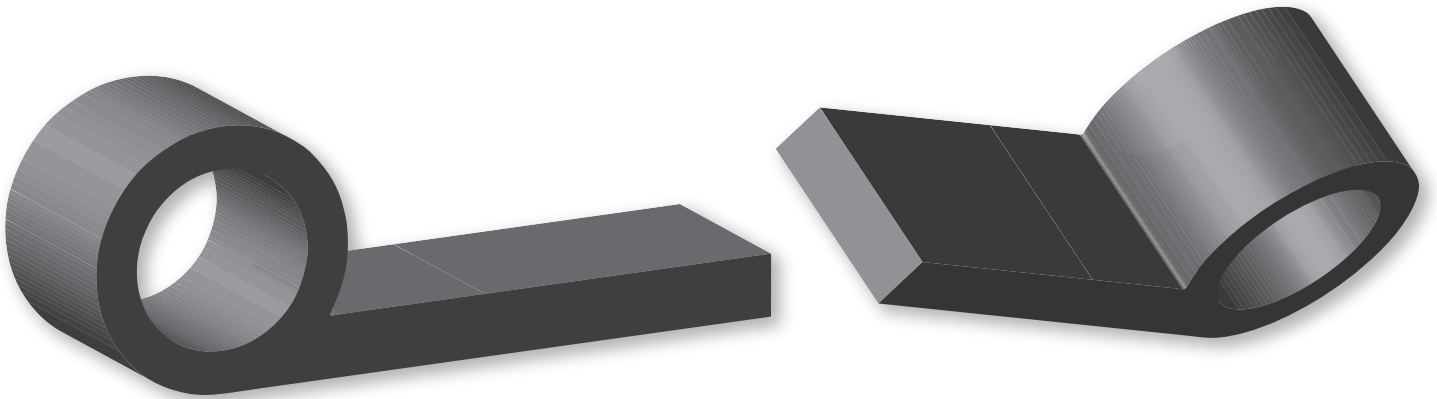
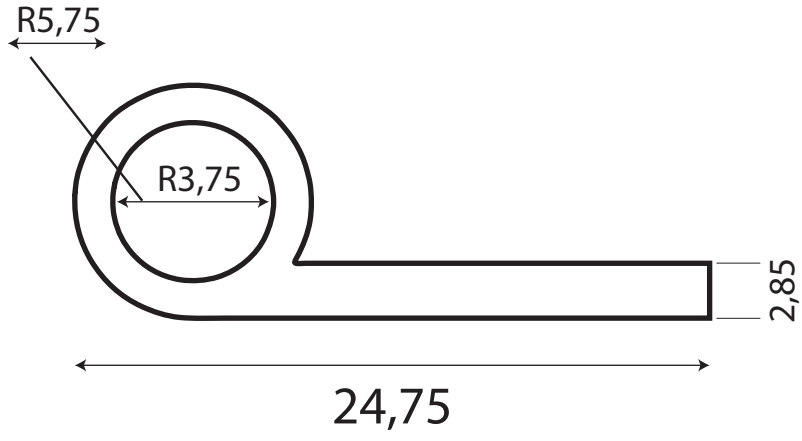
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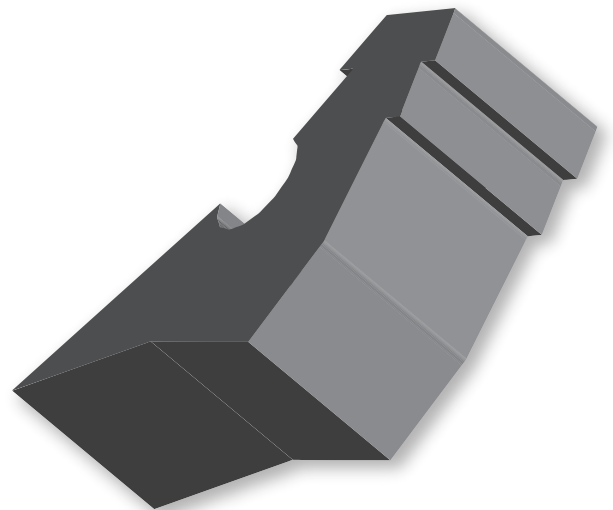
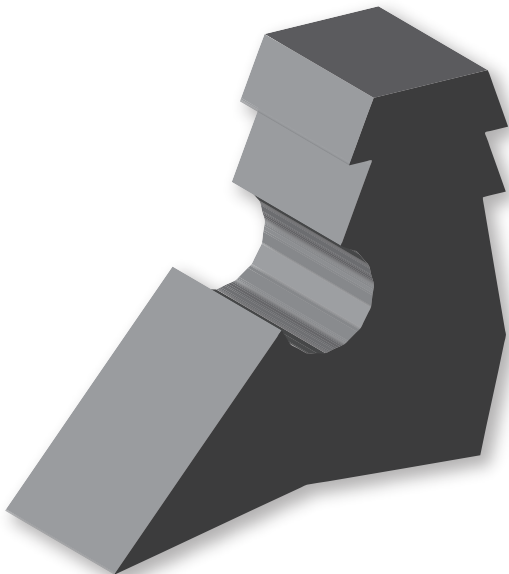
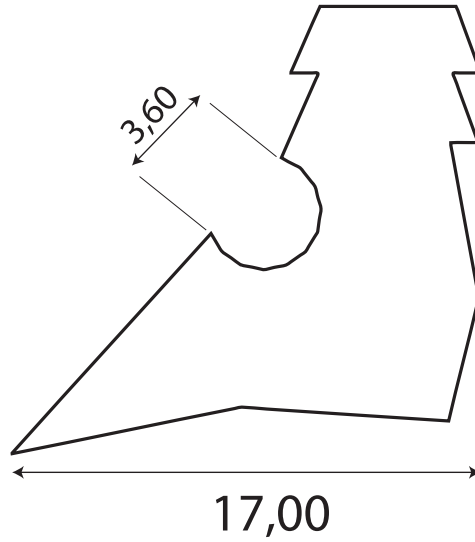
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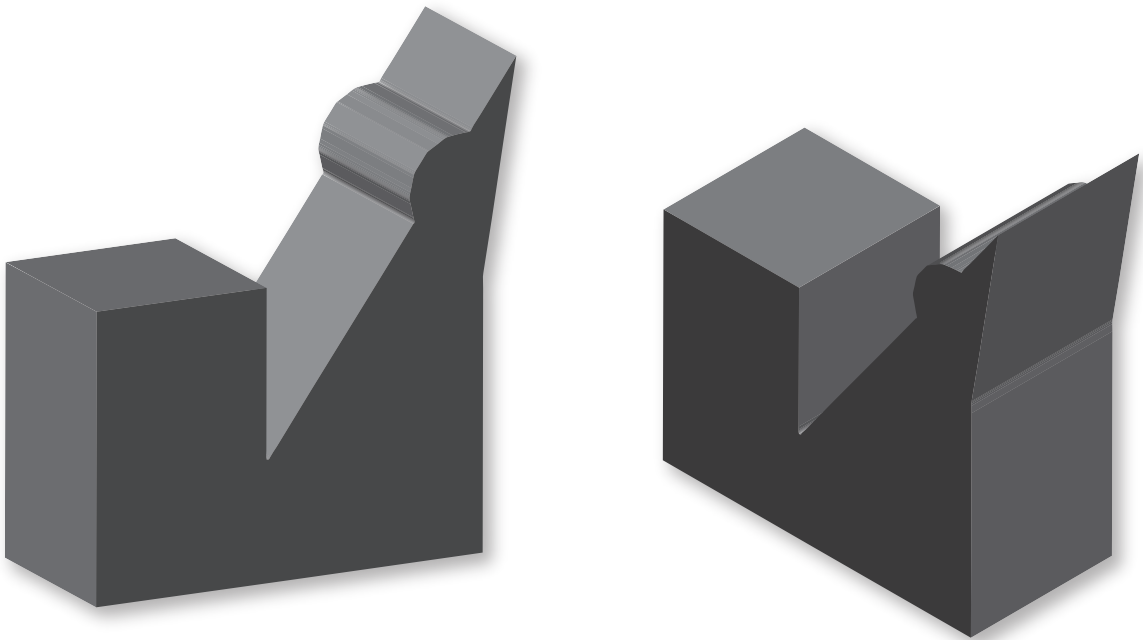
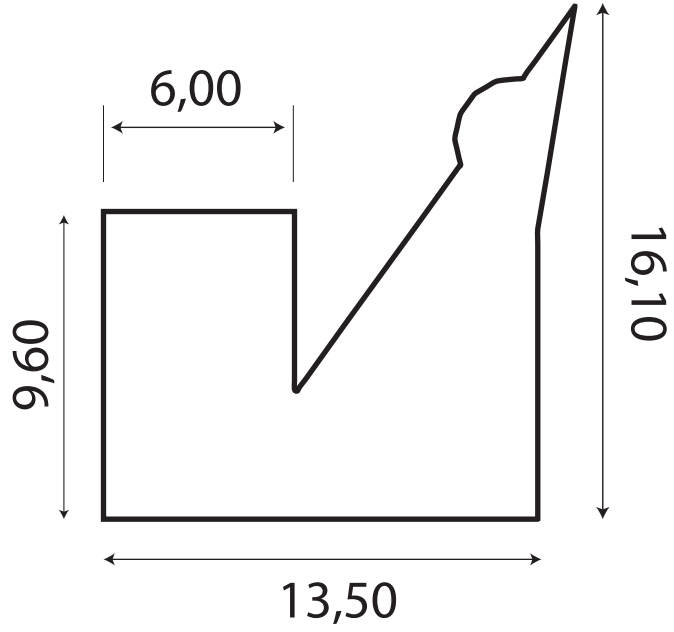
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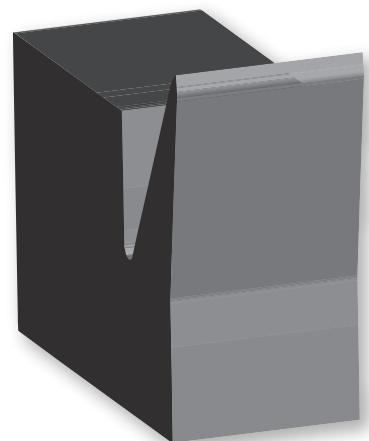
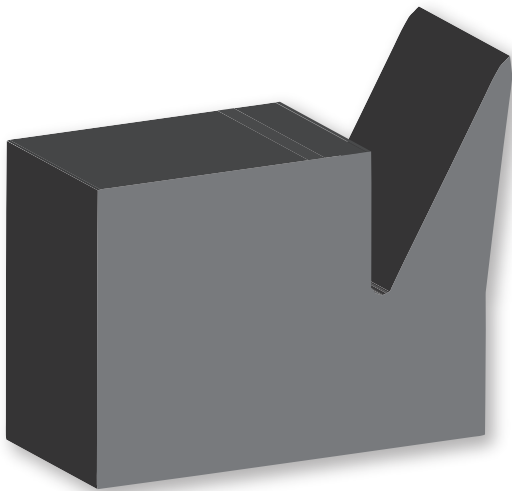
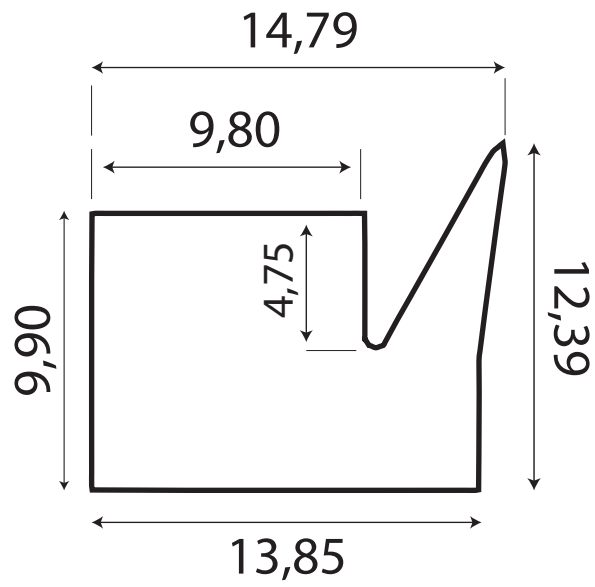
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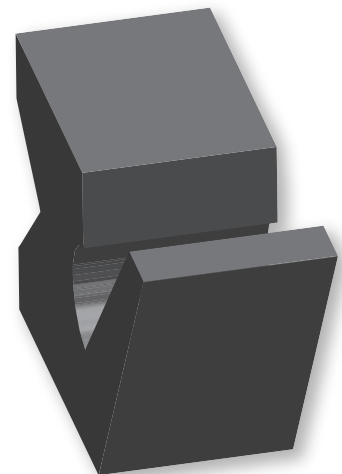
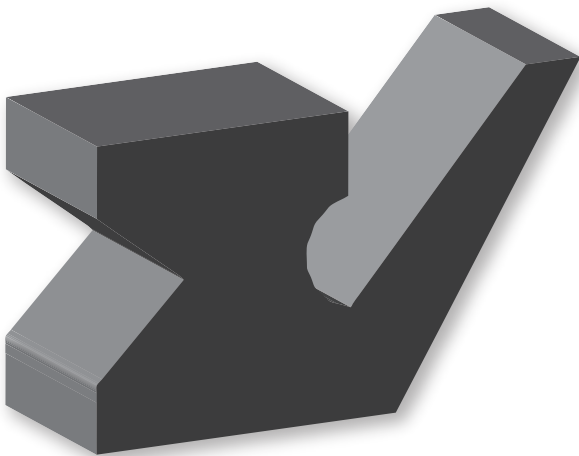
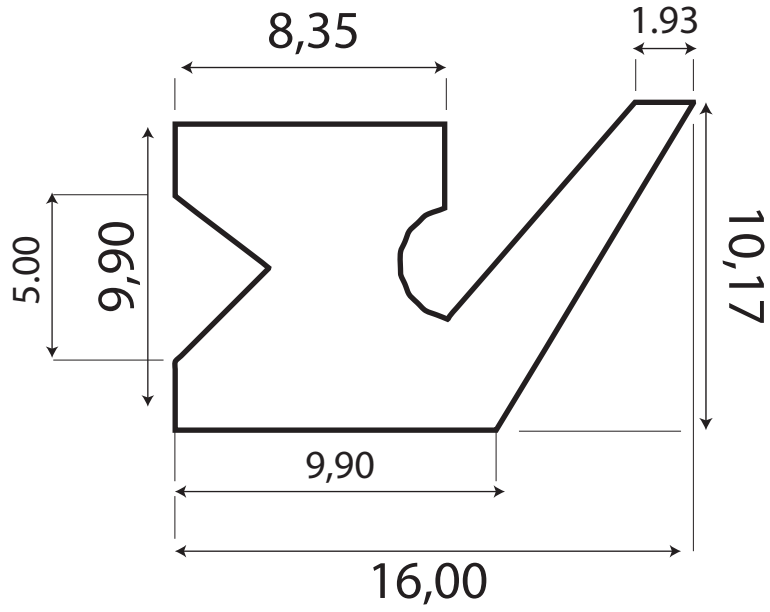
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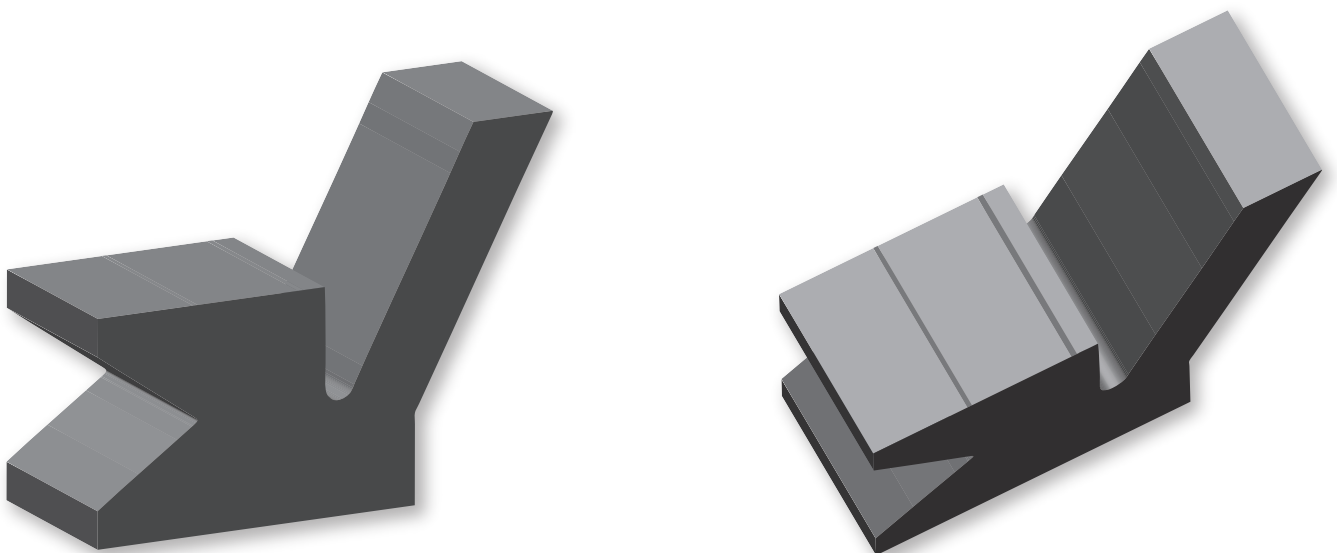
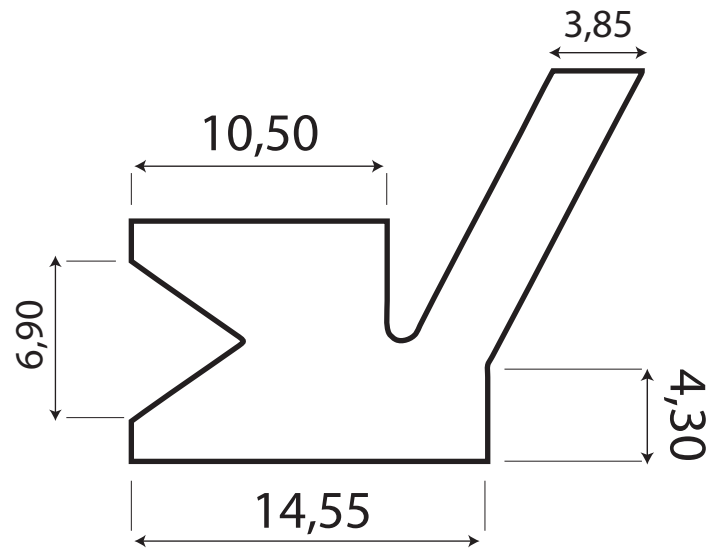
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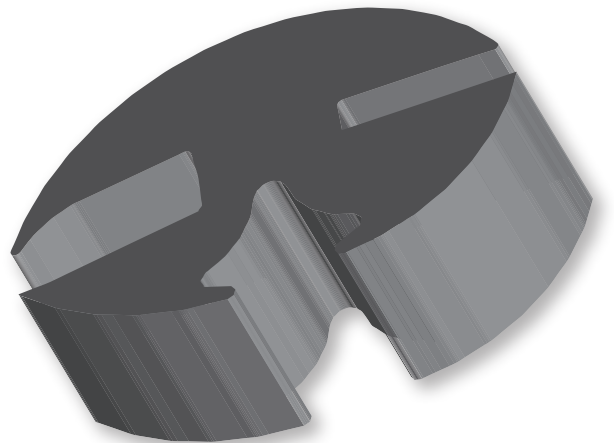
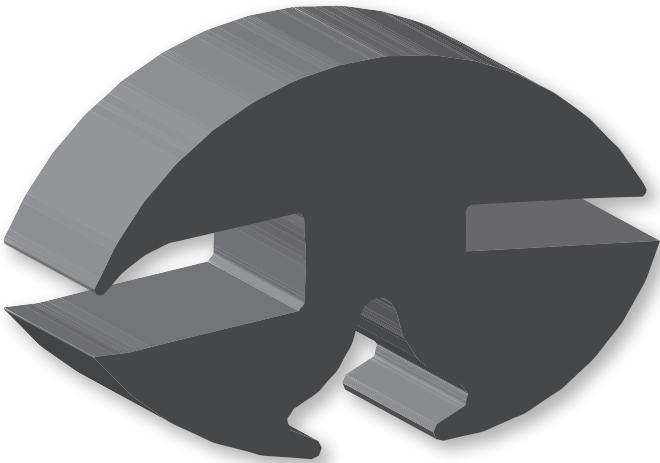
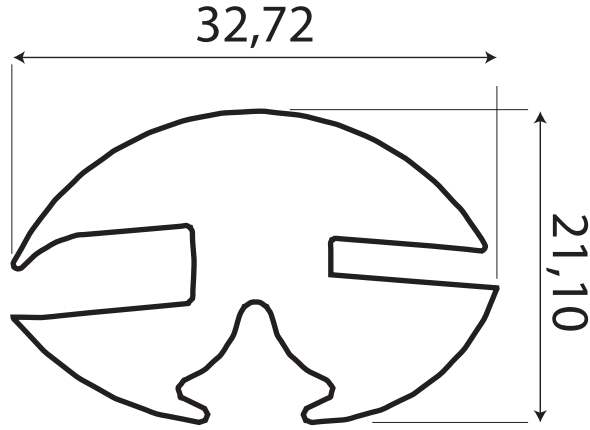
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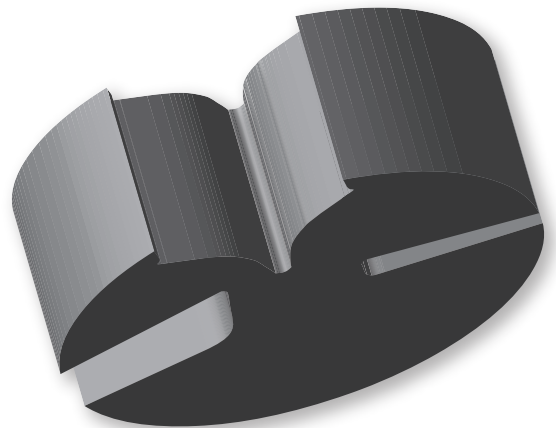
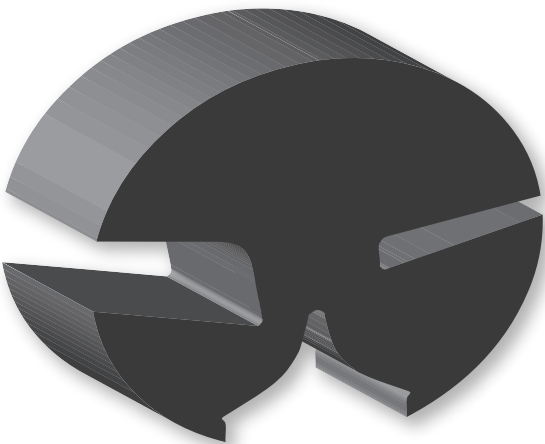
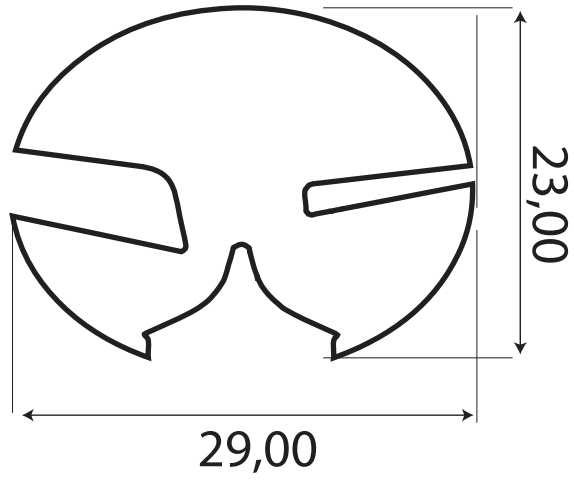
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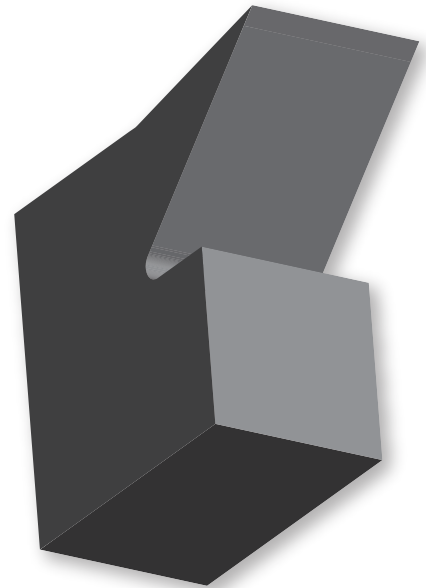
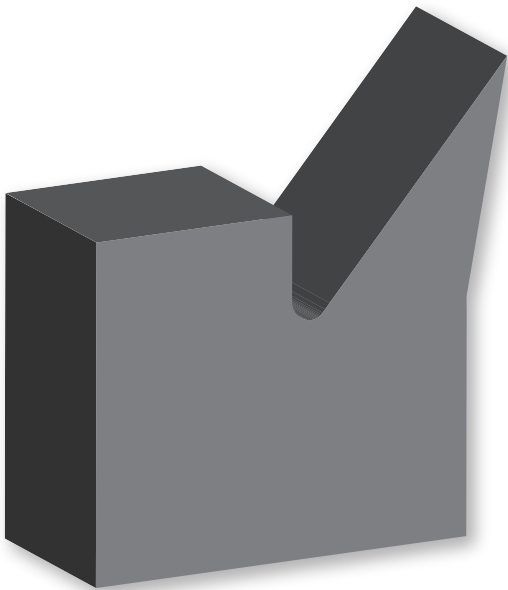
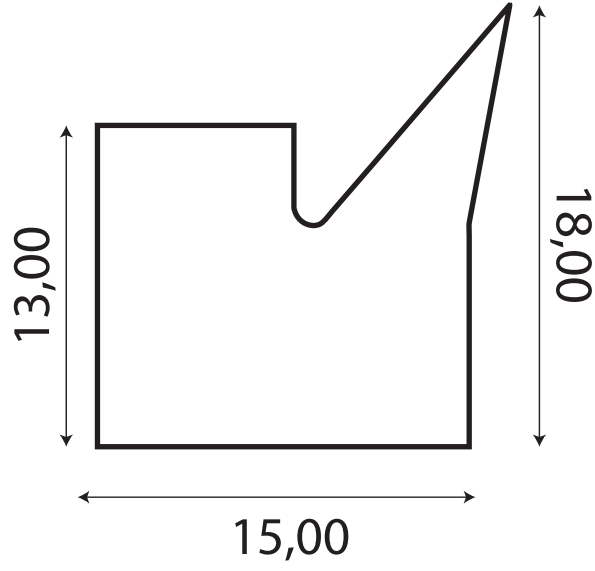
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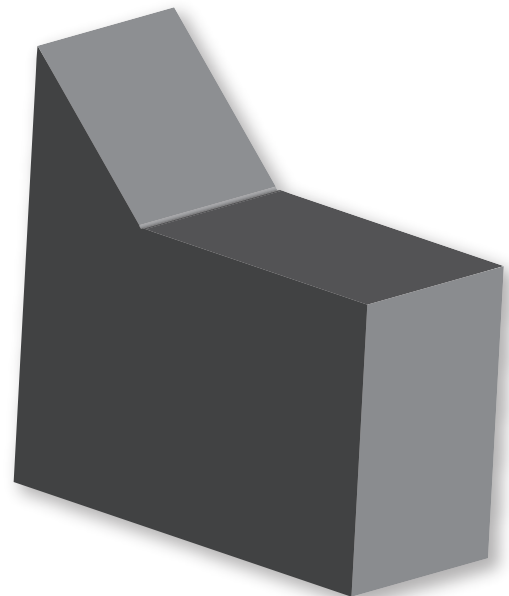
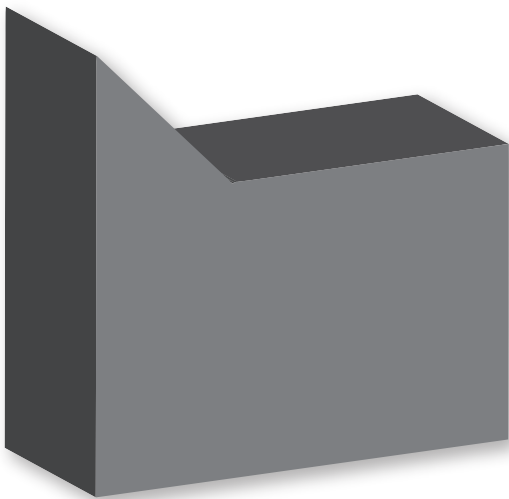
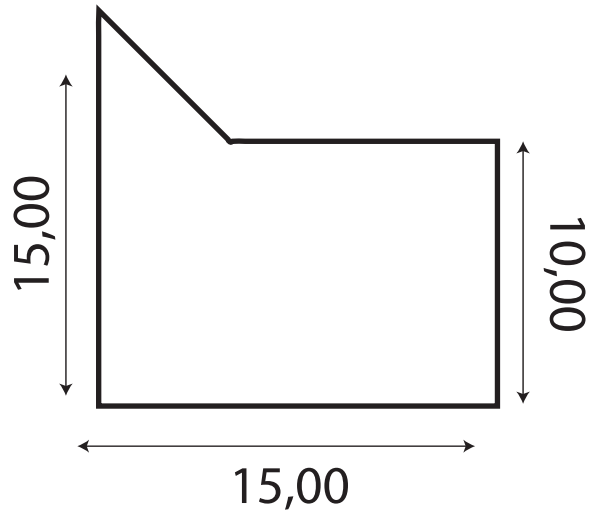
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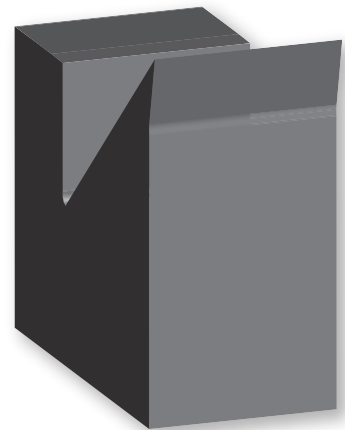
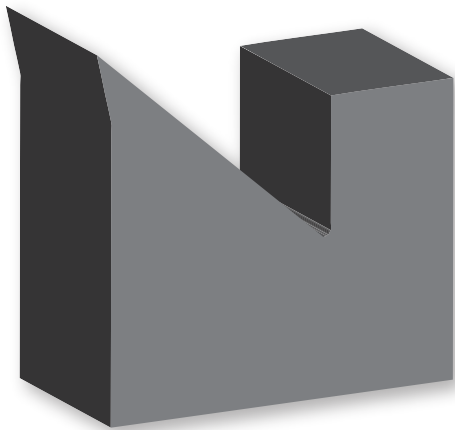
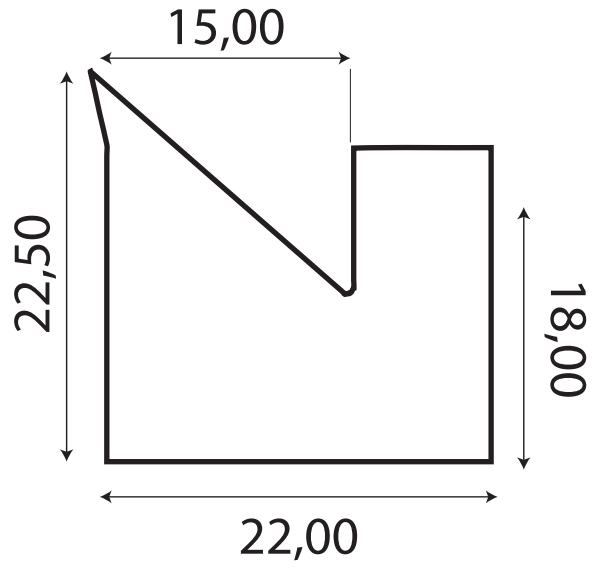
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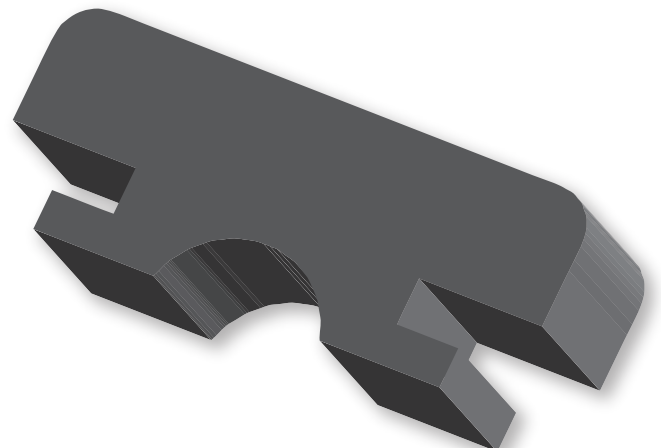
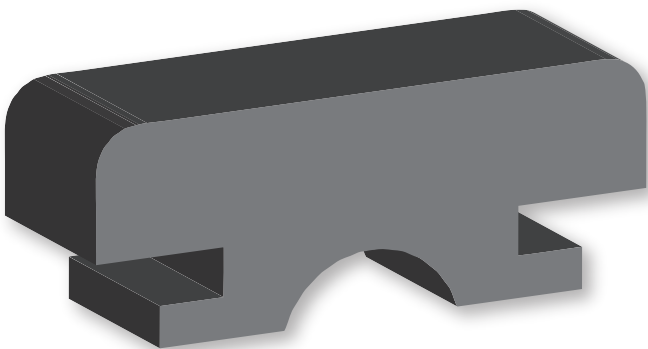
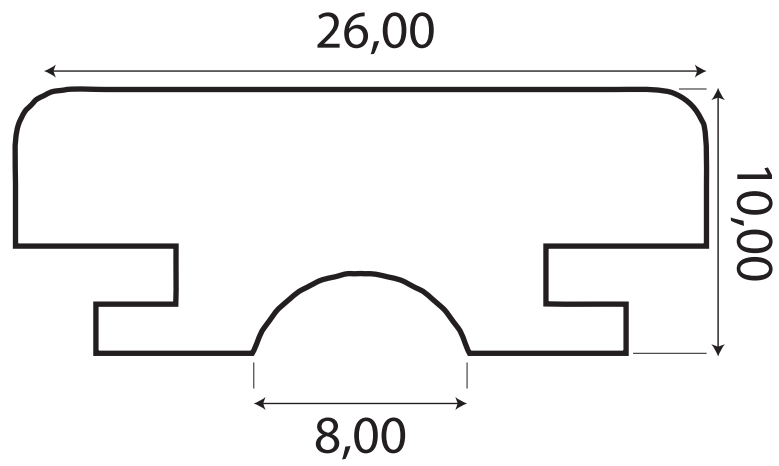
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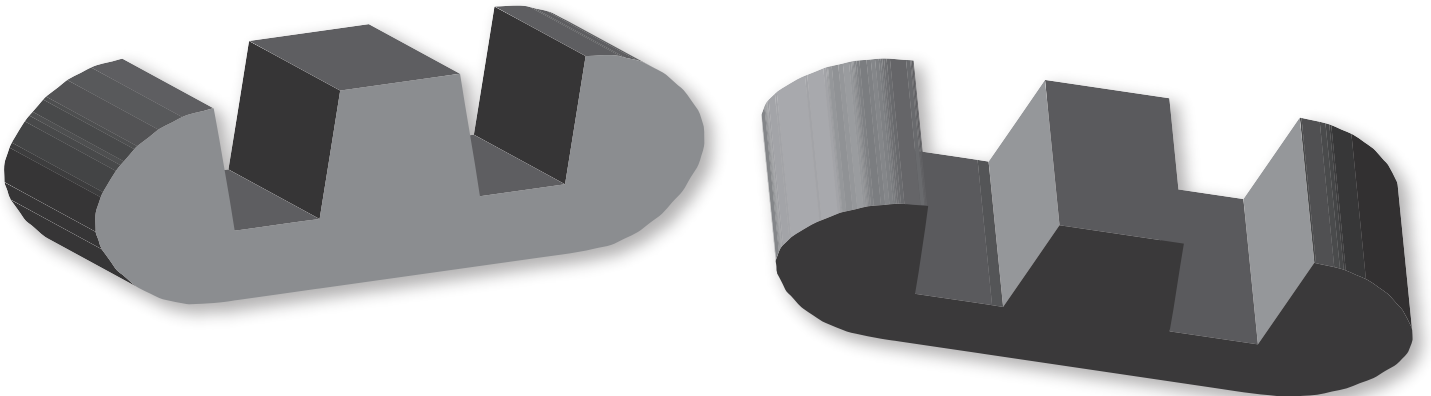
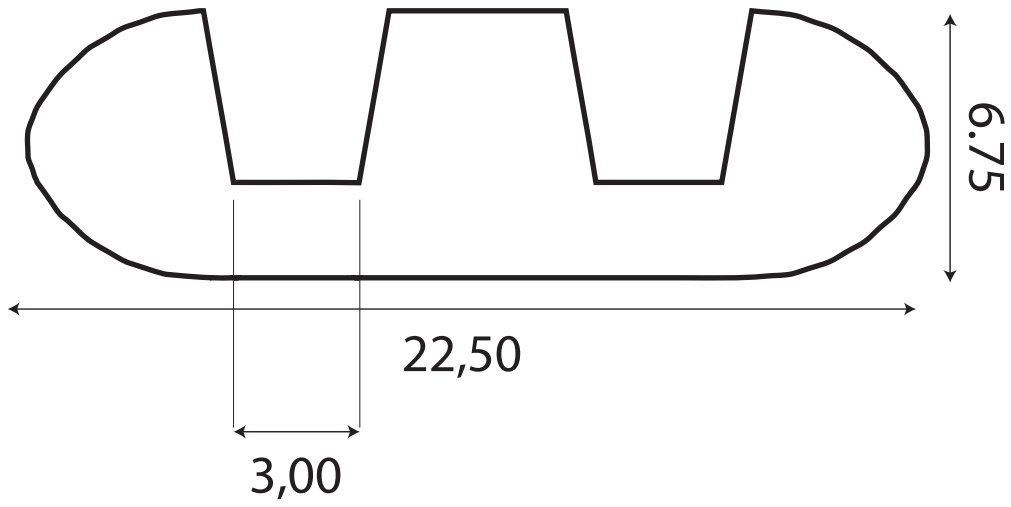
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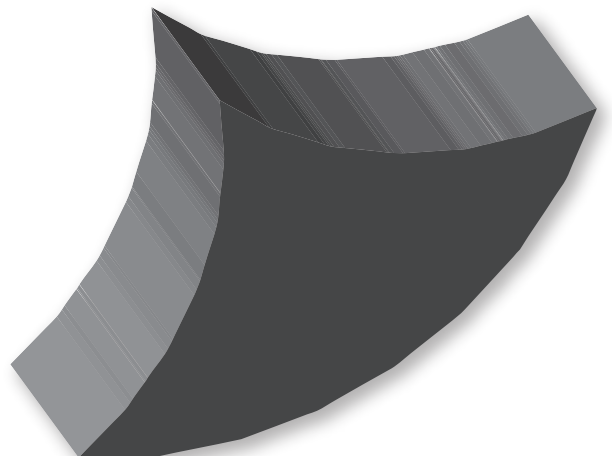
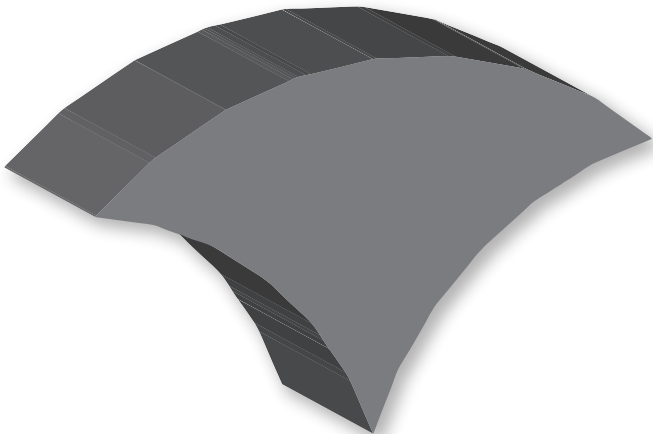
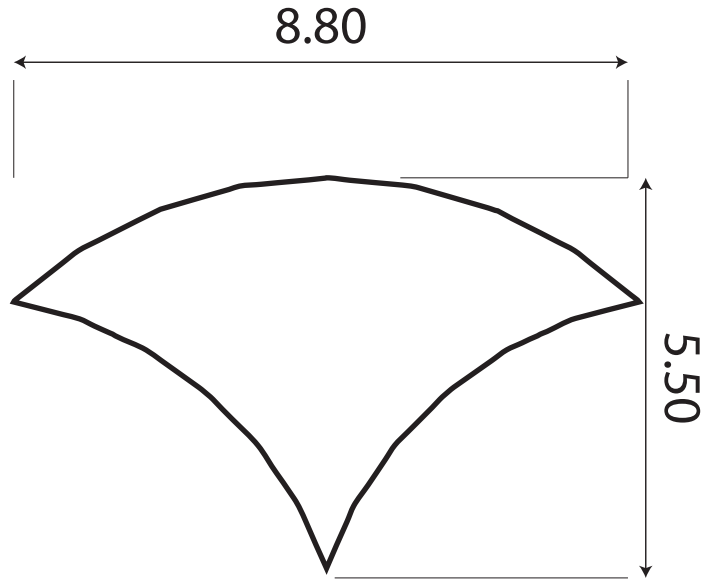
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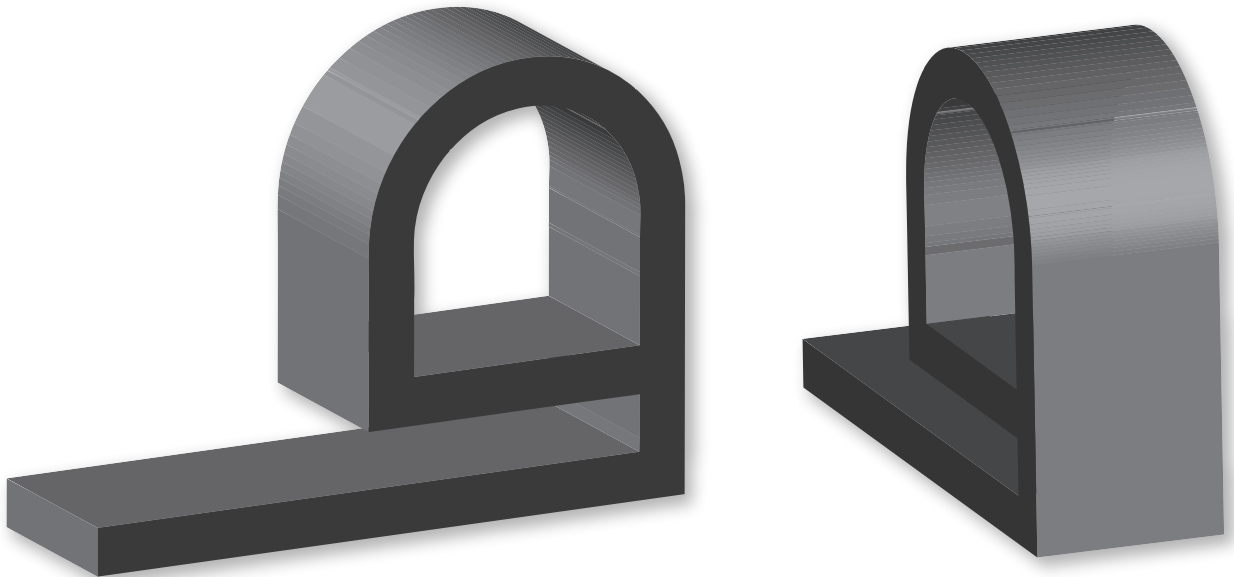
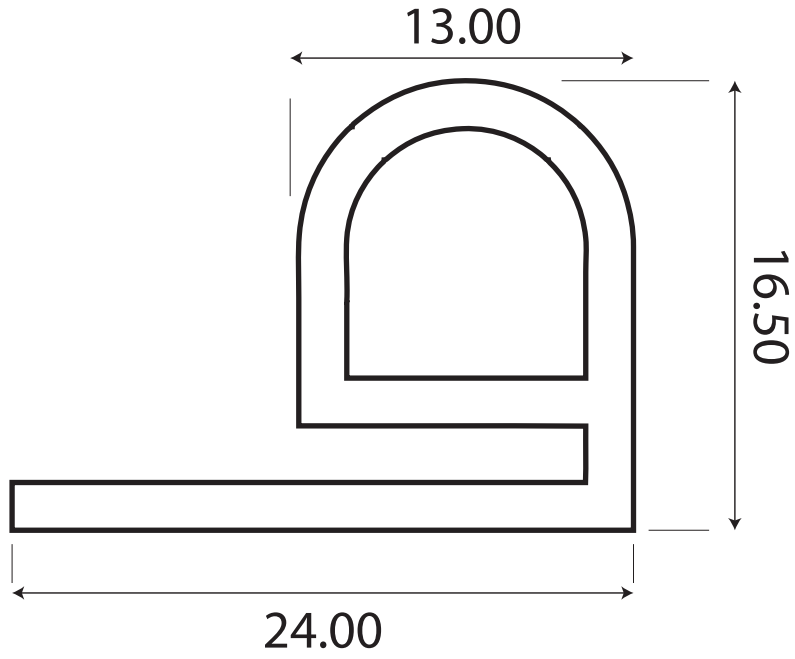
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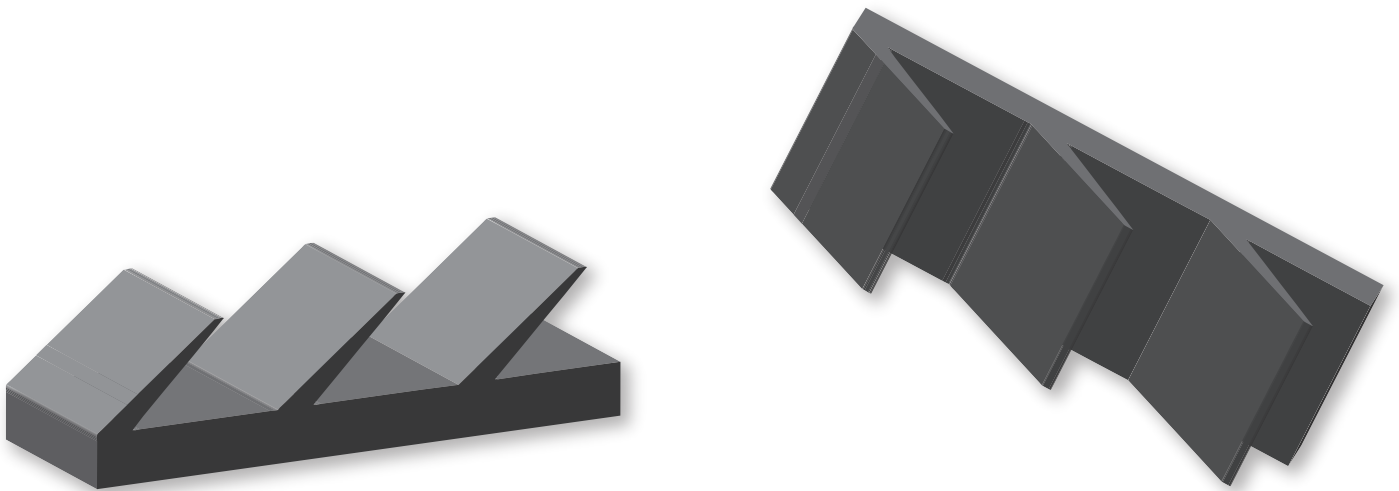
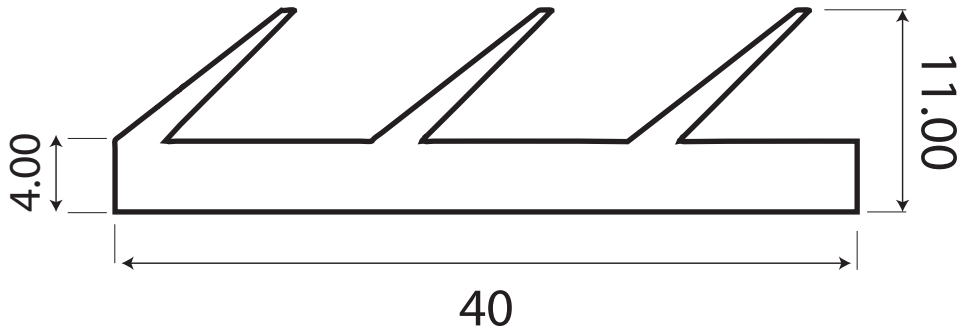
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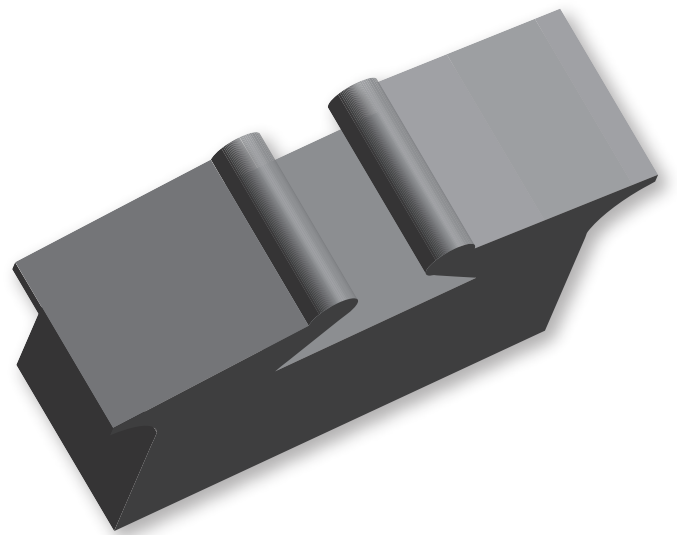
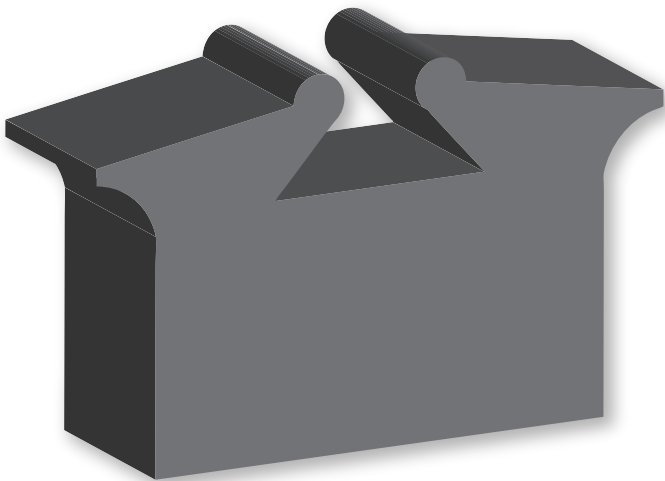
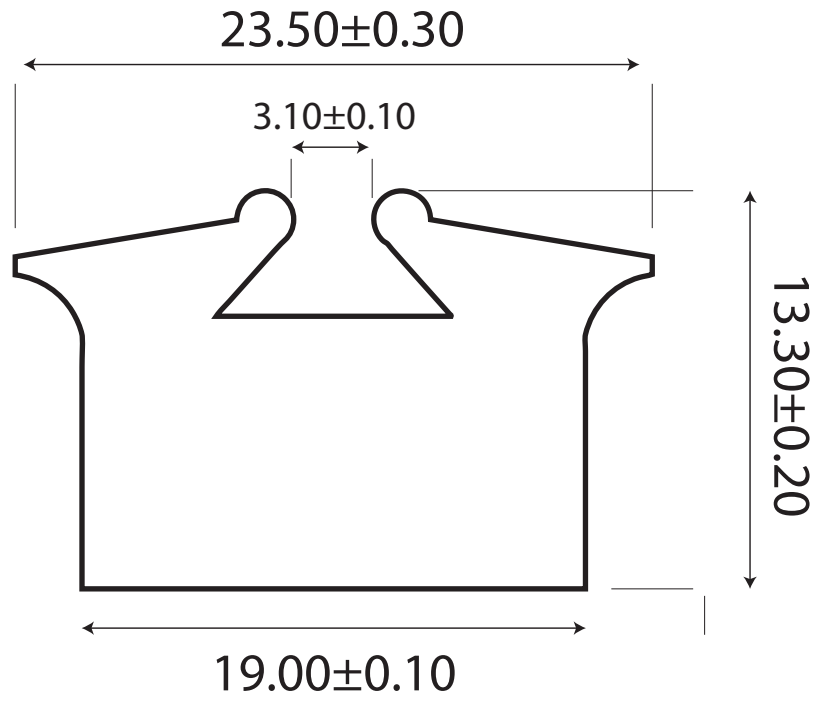
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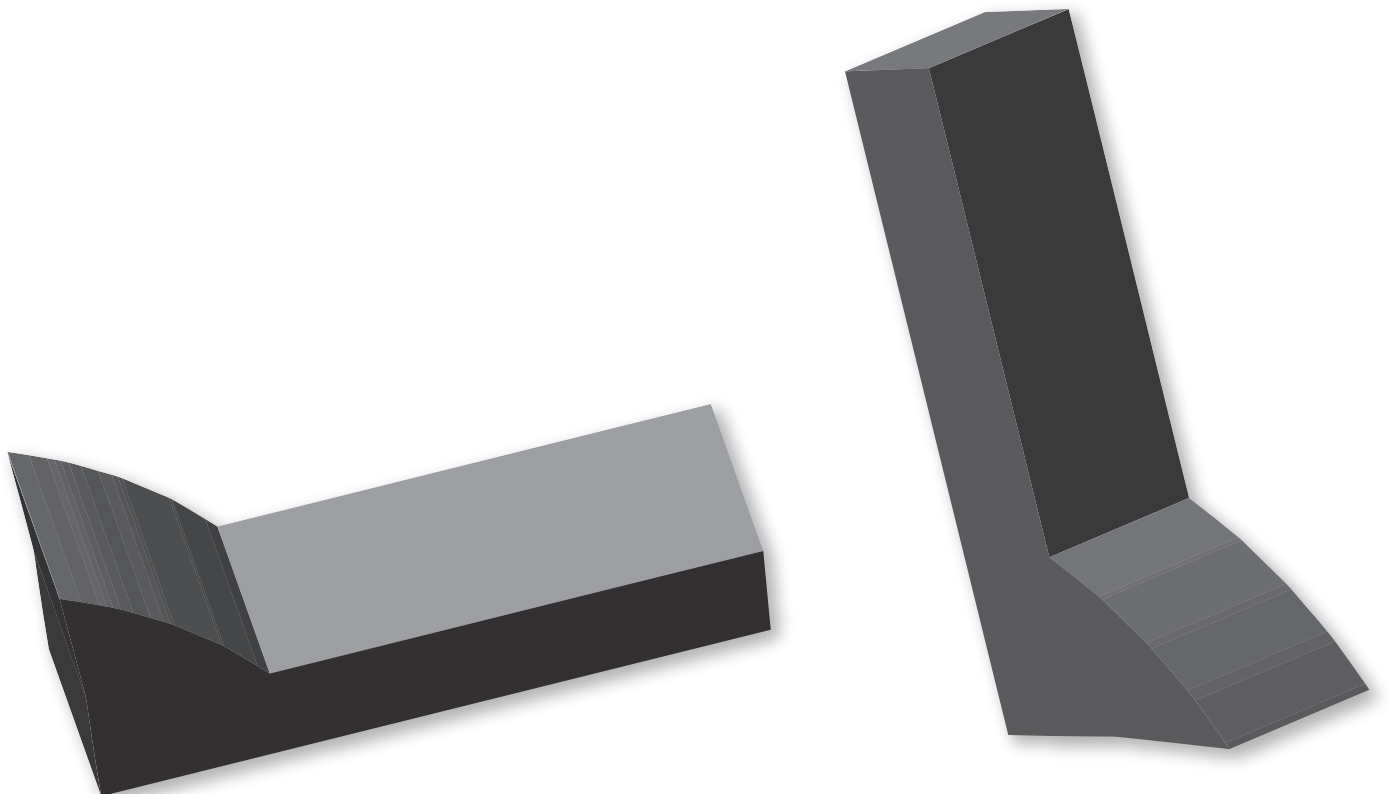
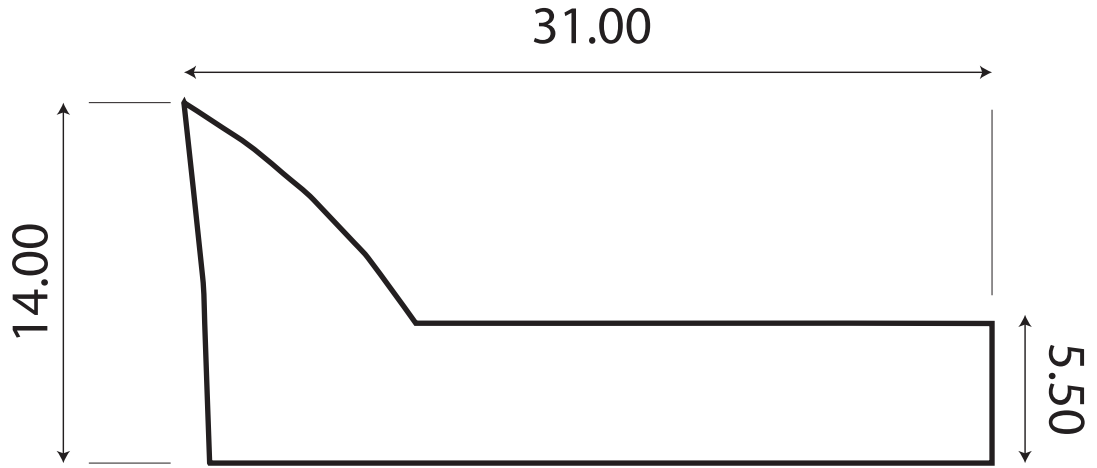
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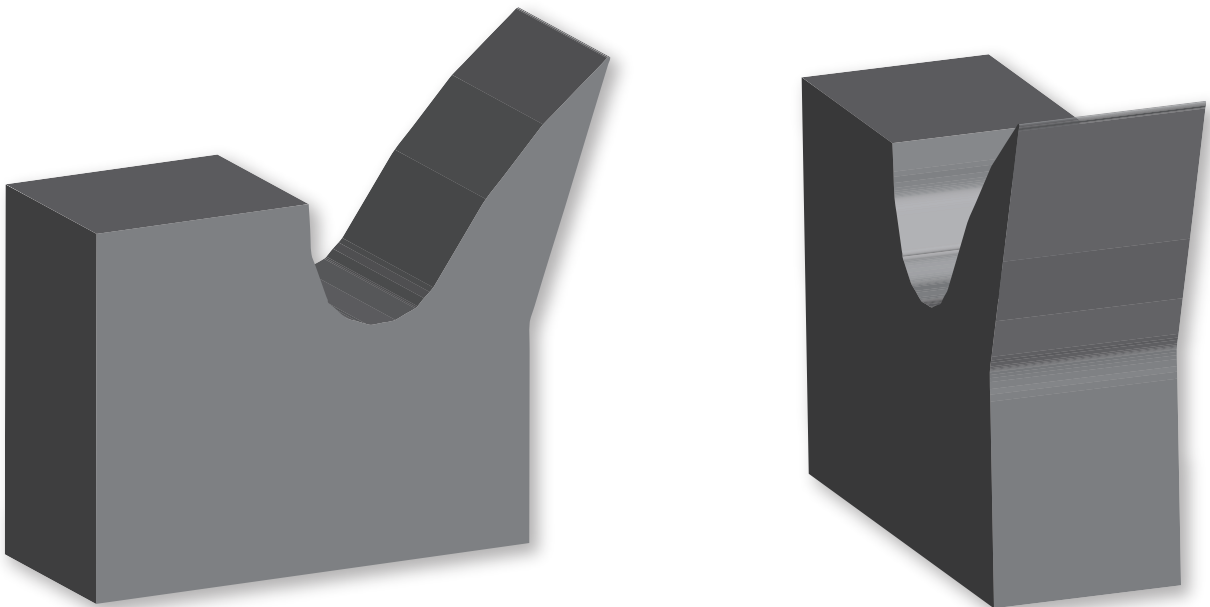
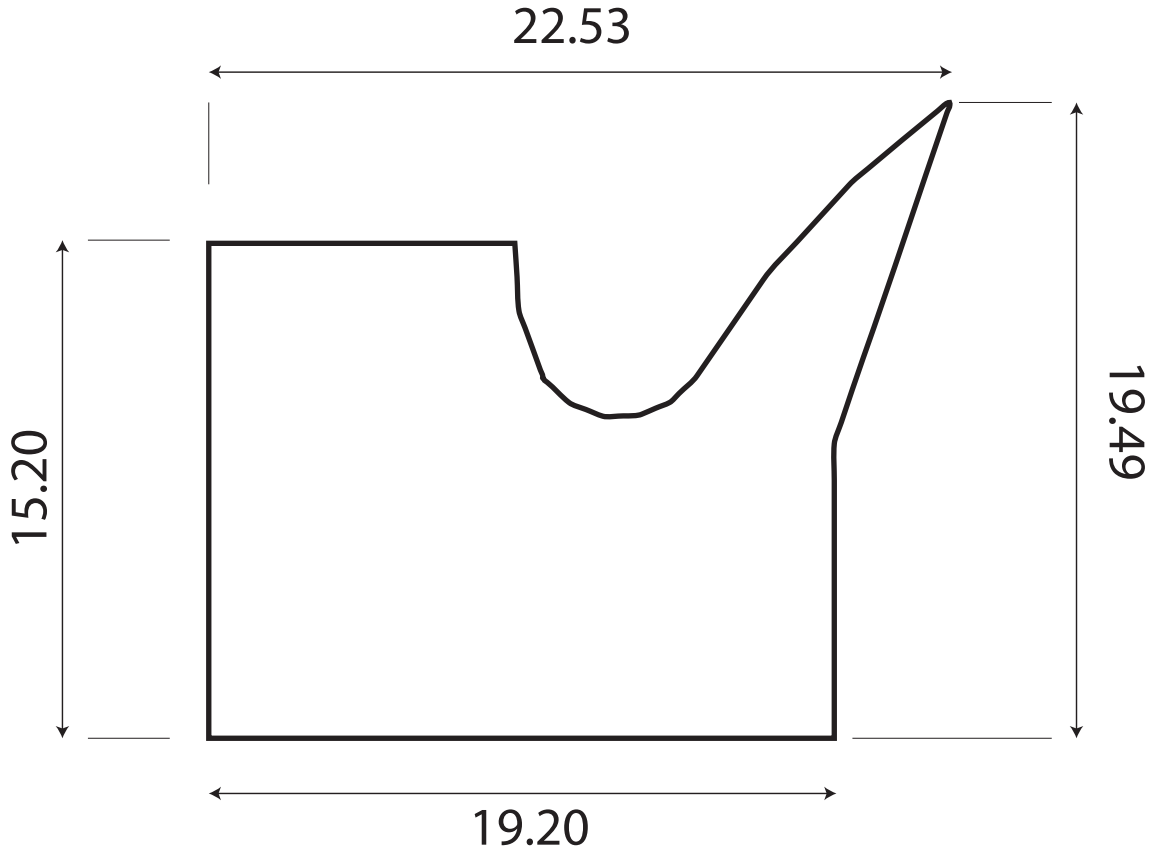
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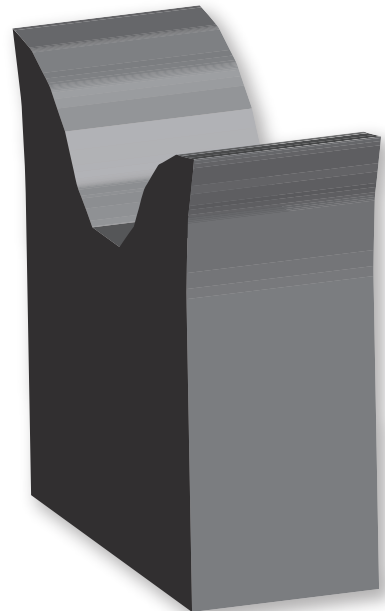
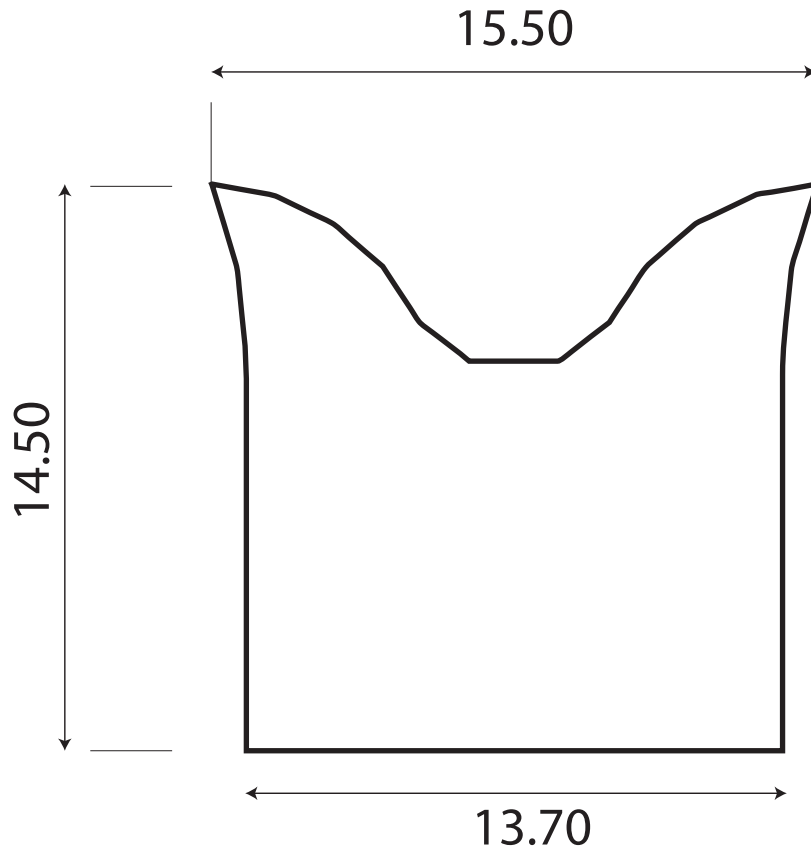
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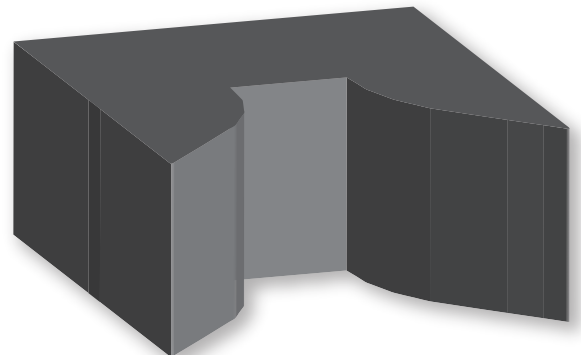
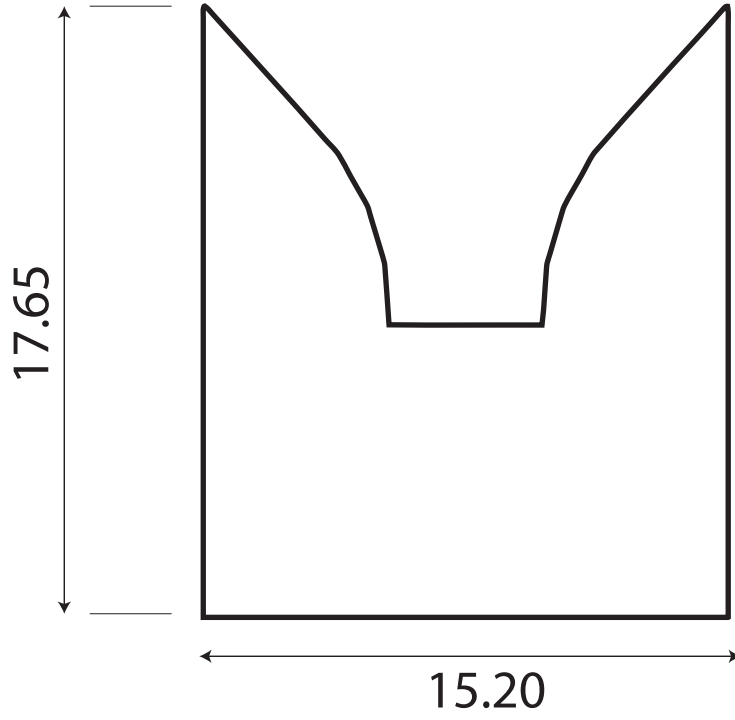
KC029



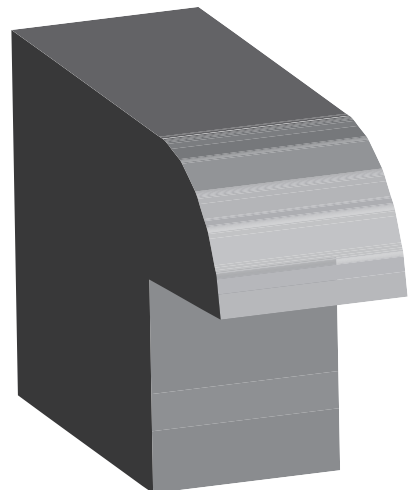
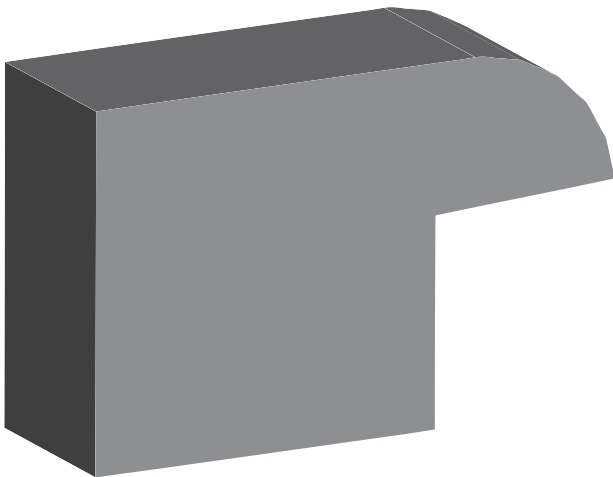
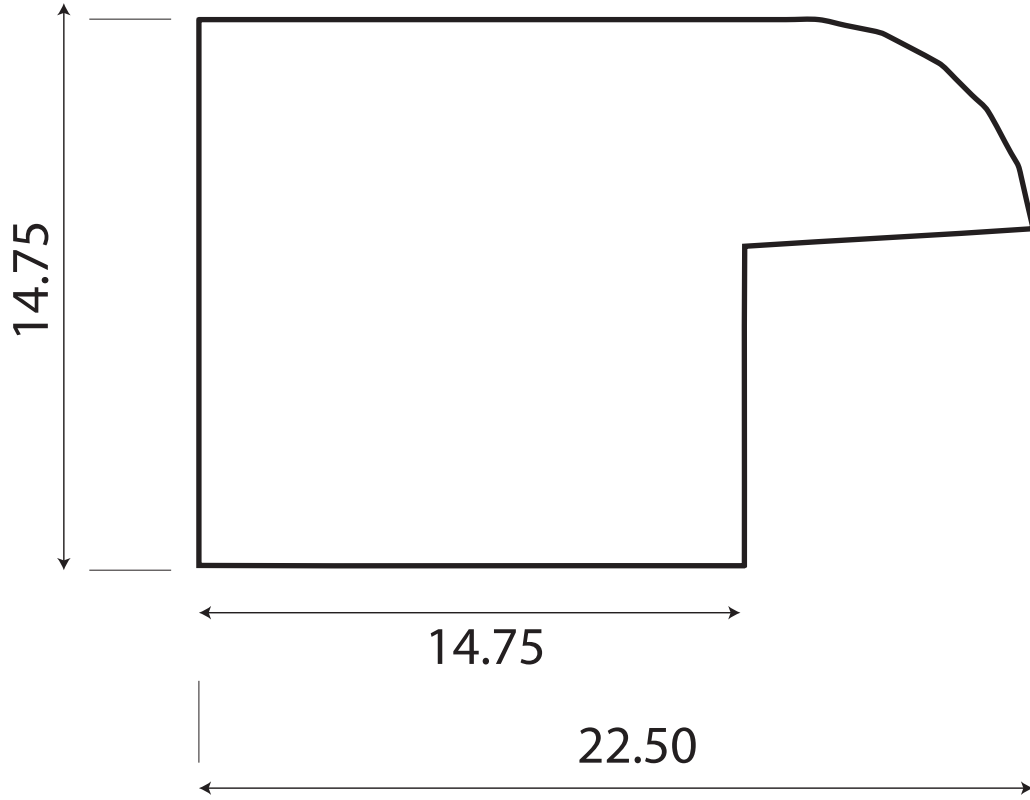
KCO30



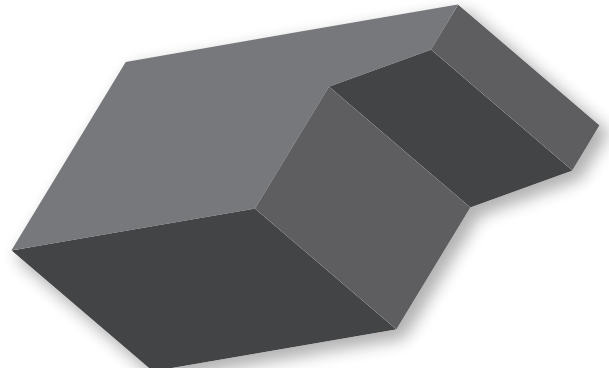
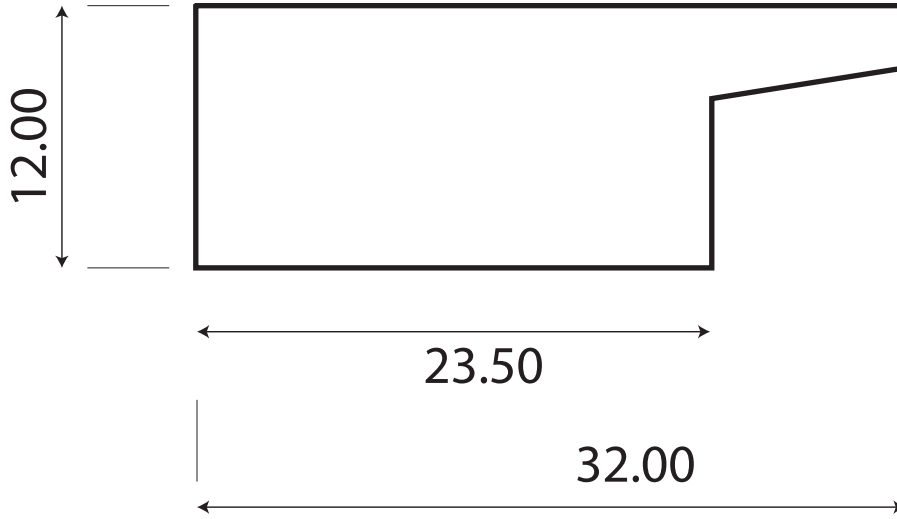
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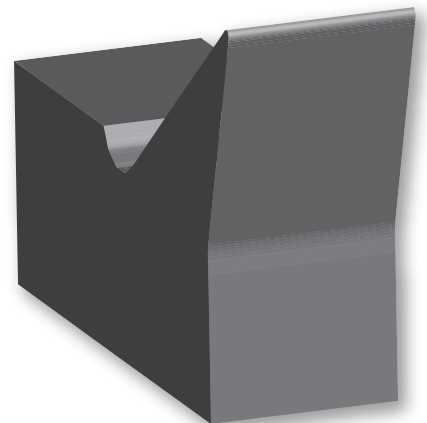
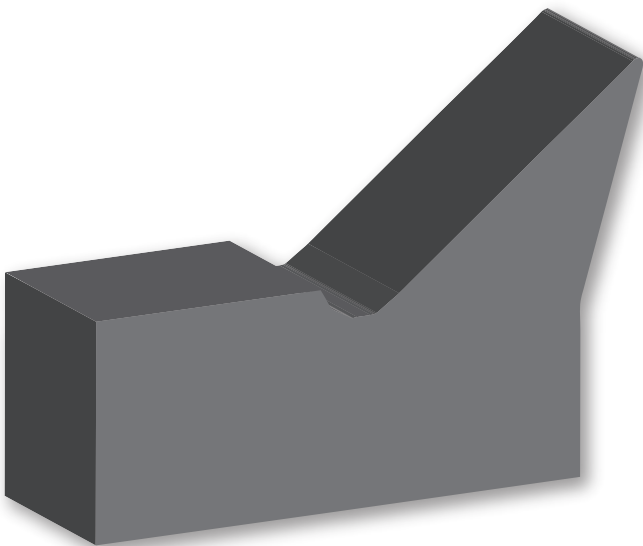
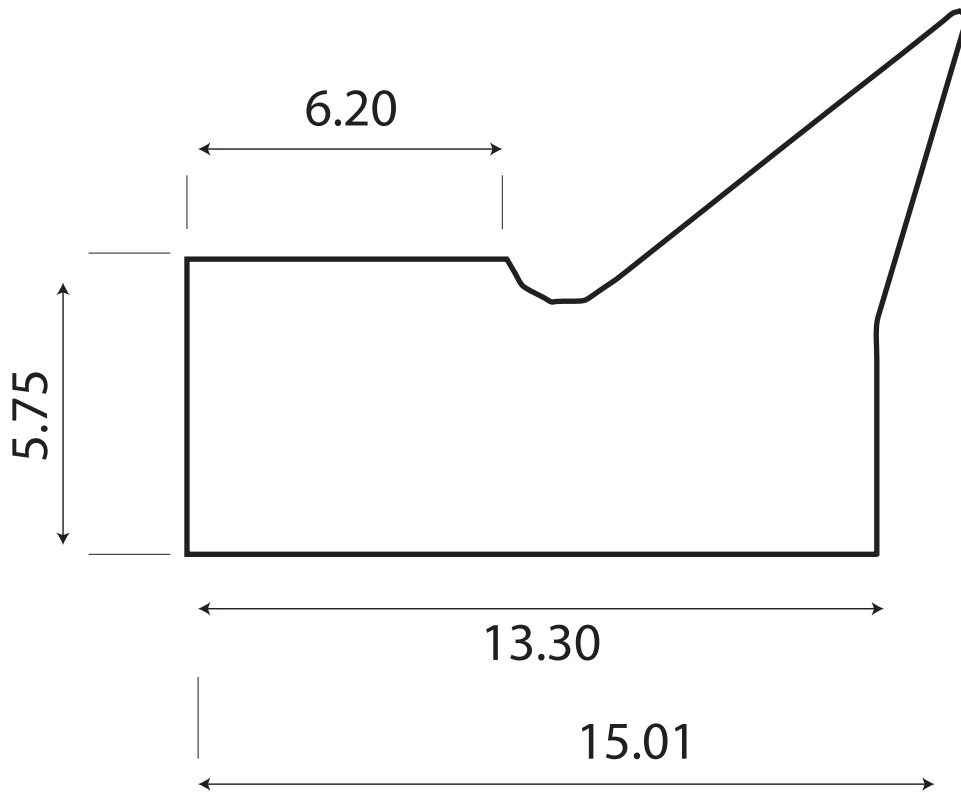
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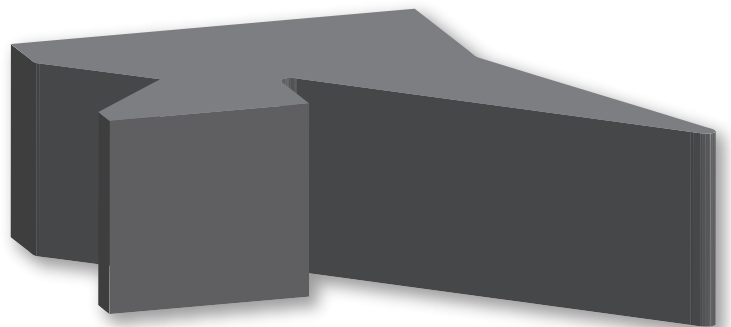
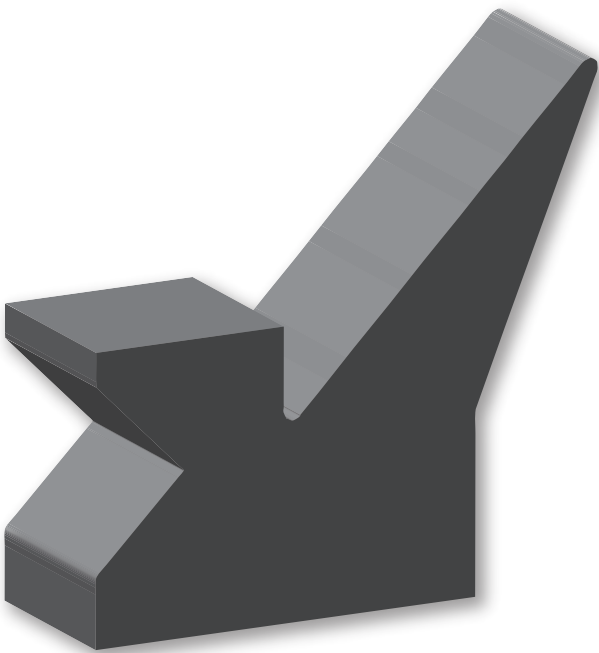
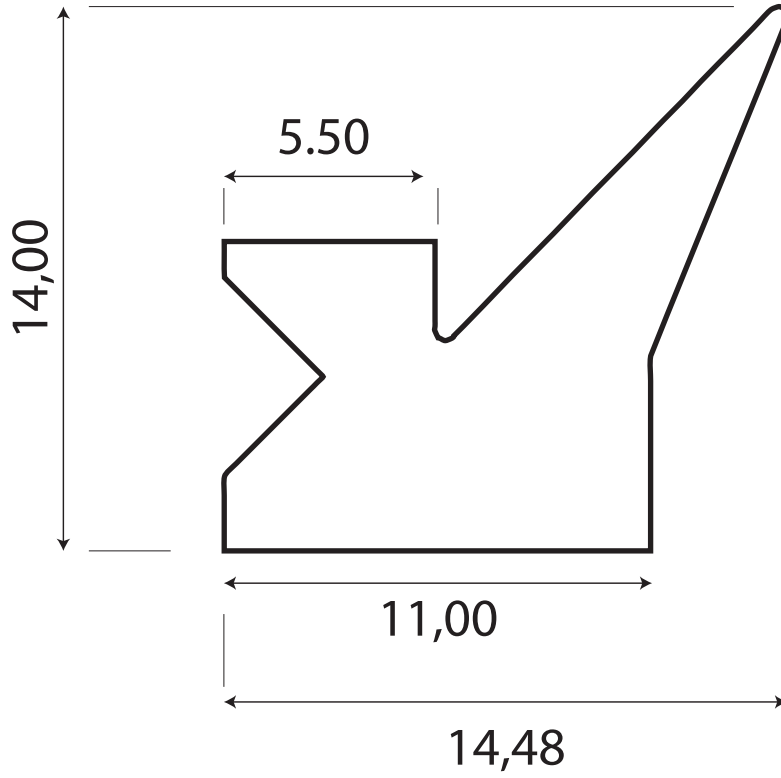
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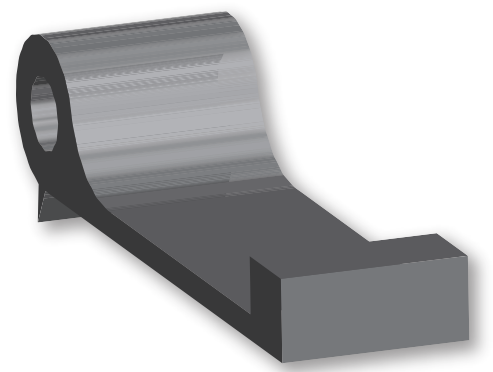
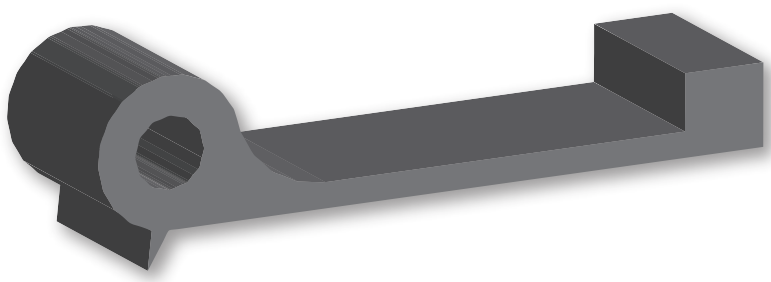
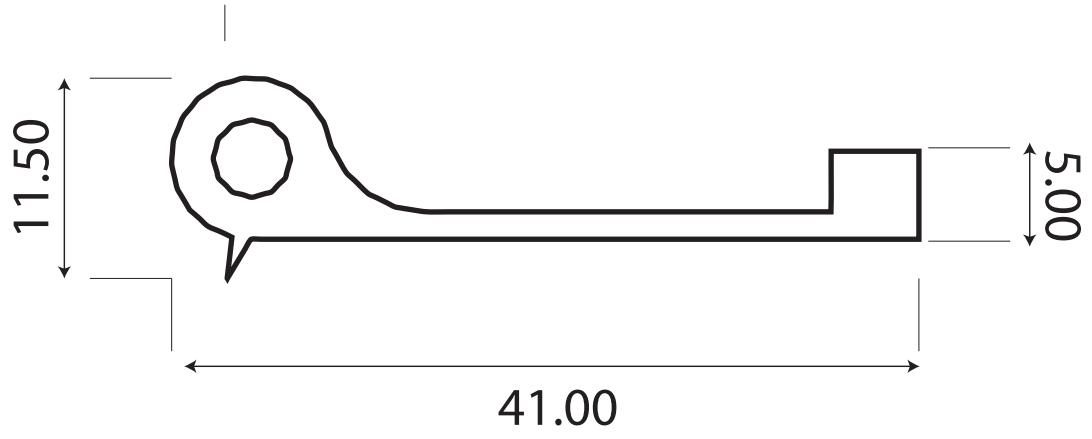
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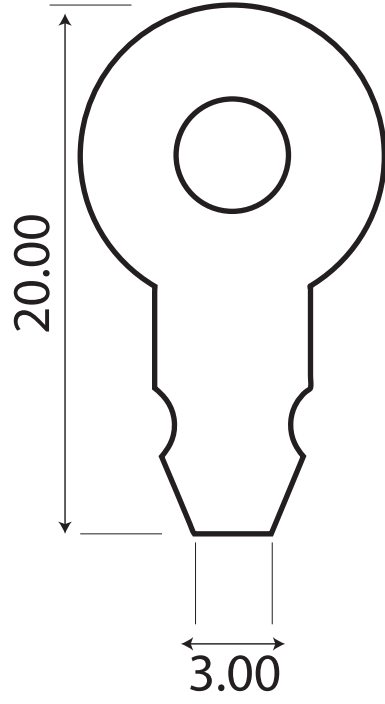
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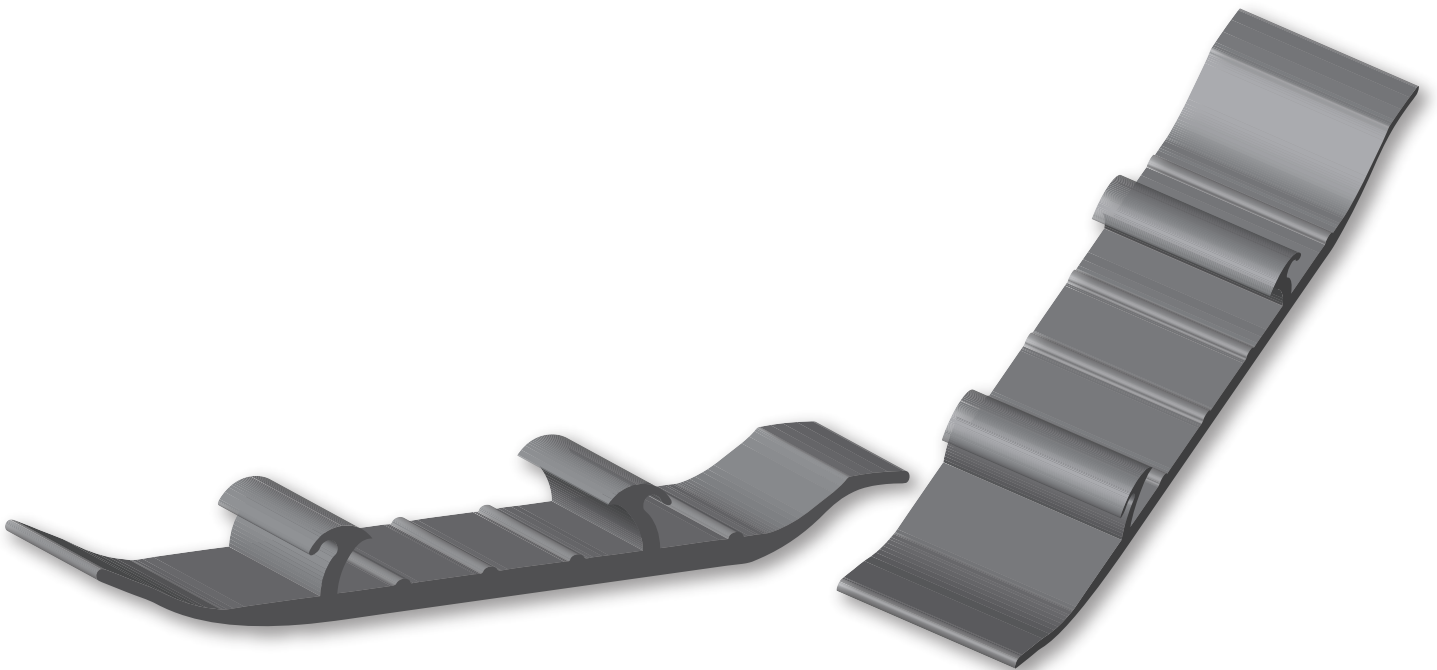
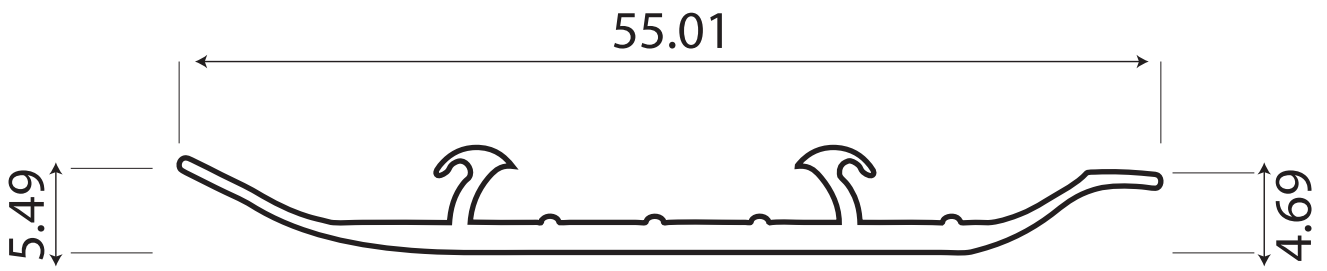
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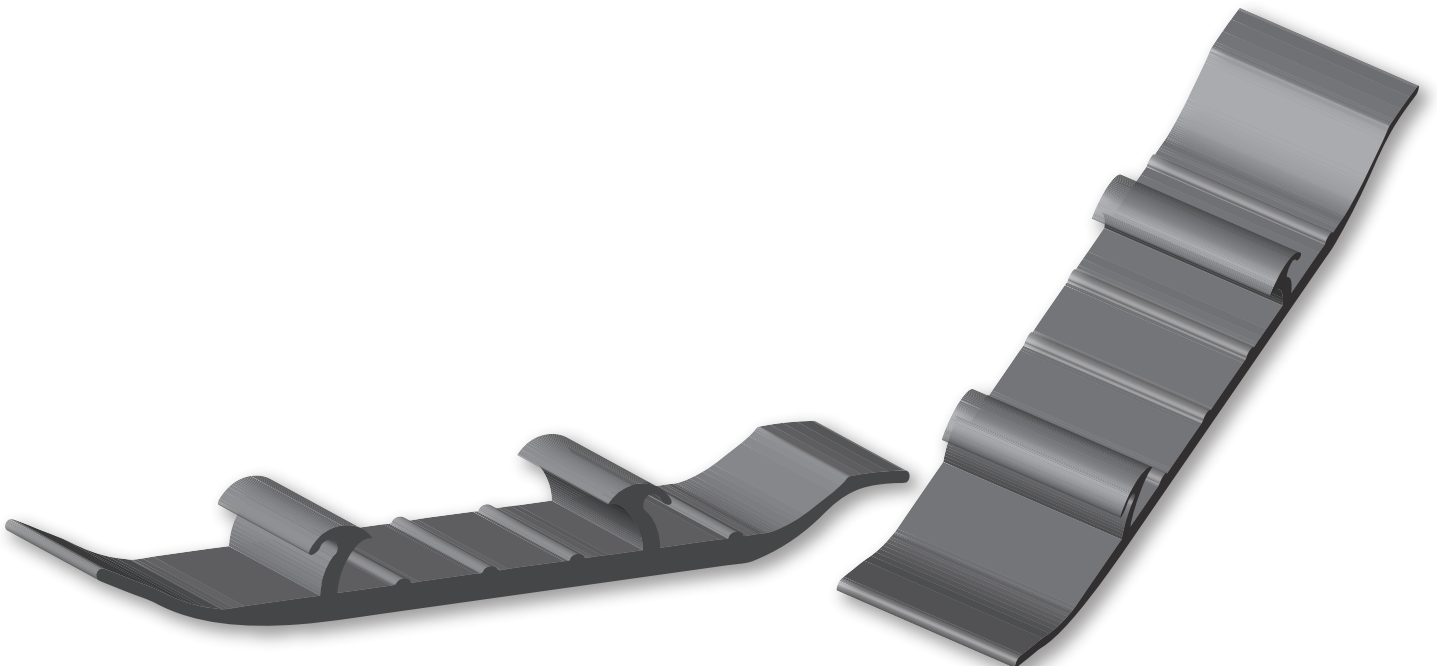
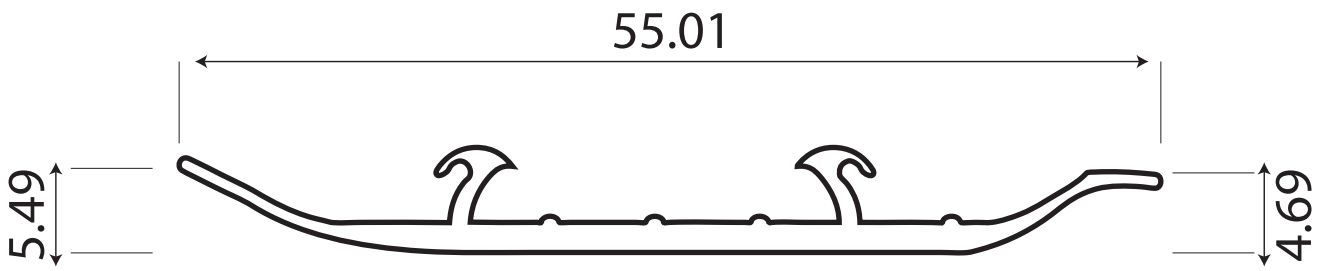
KC038



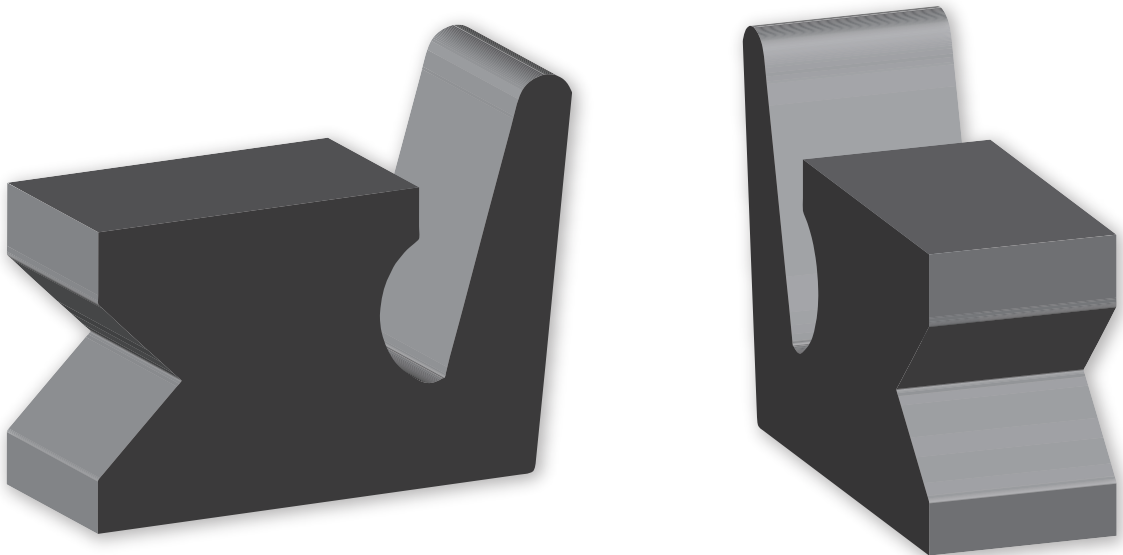
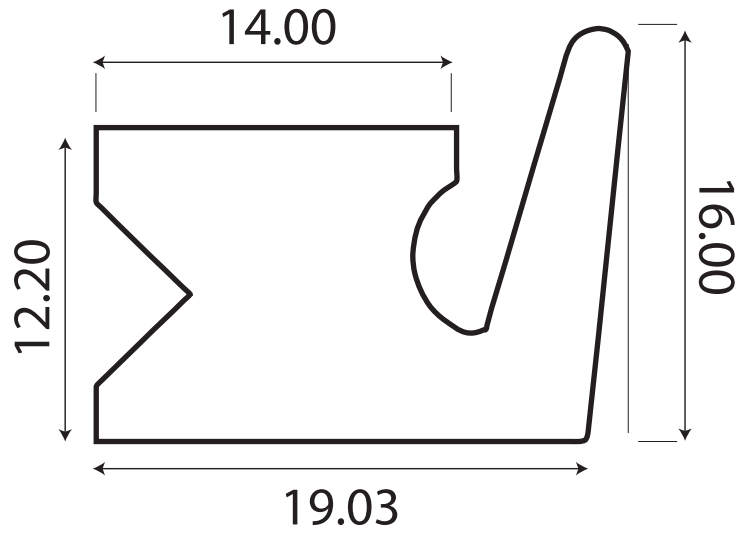
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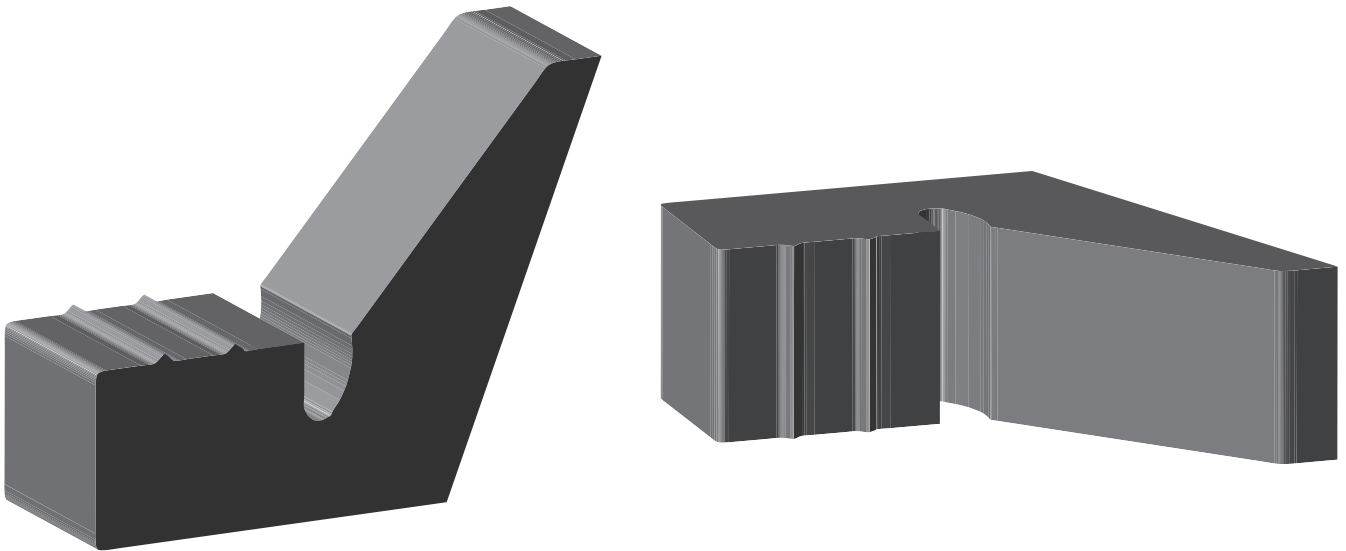
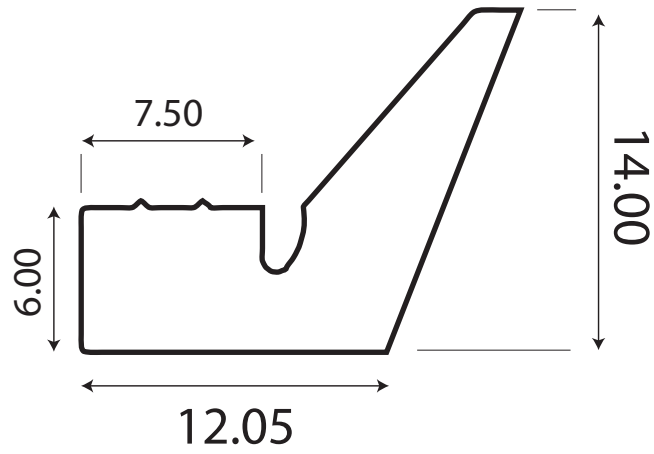
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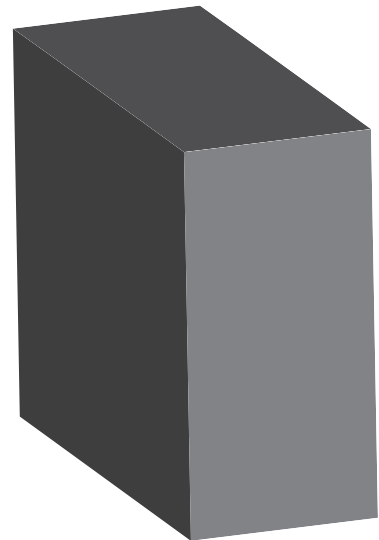
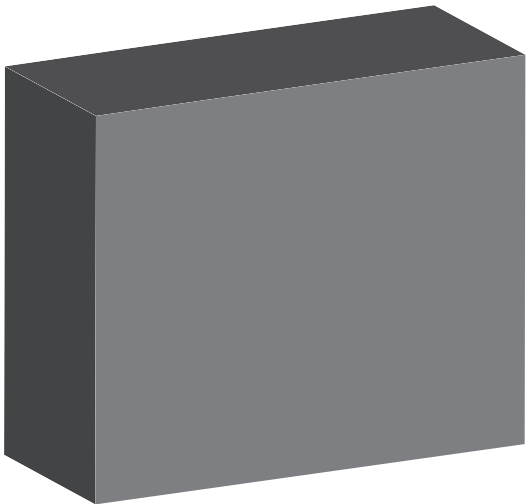
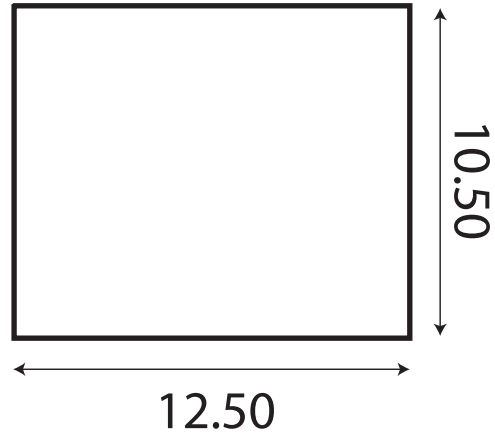
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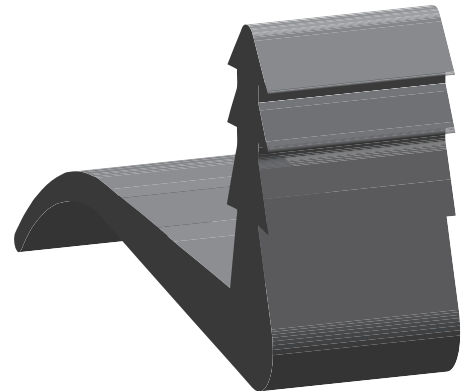
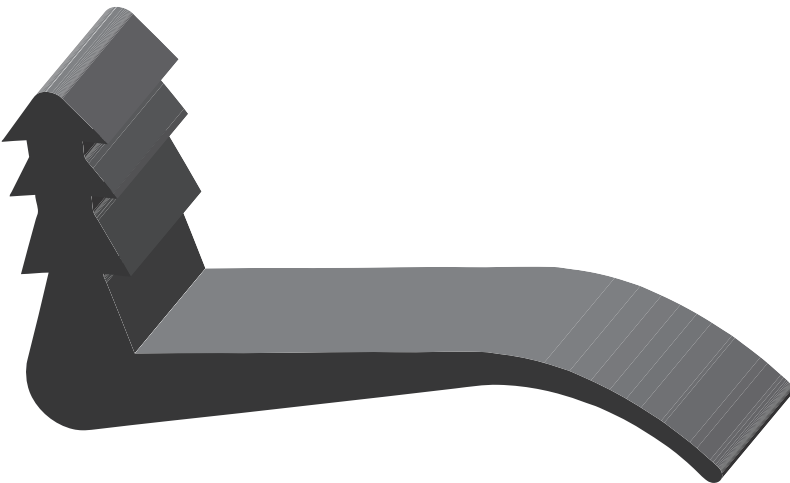
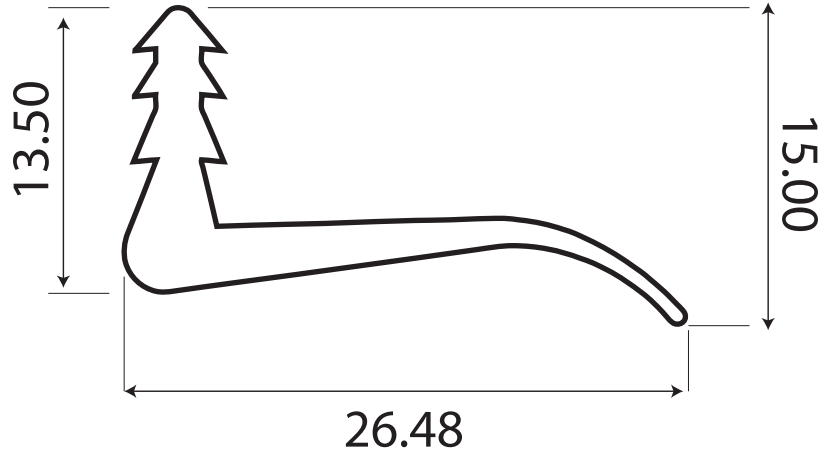
KC042



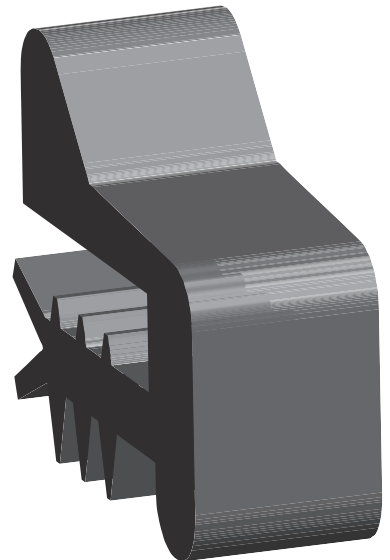
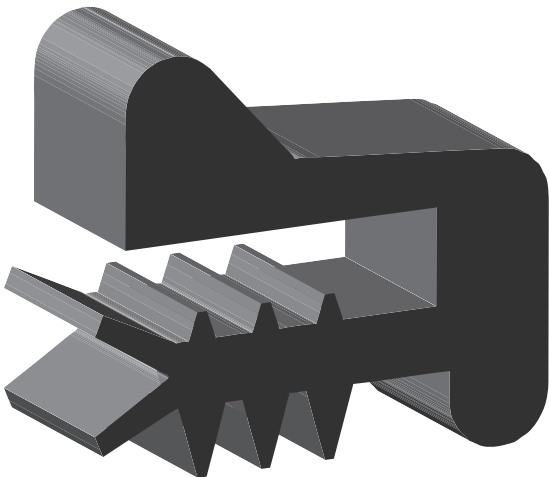
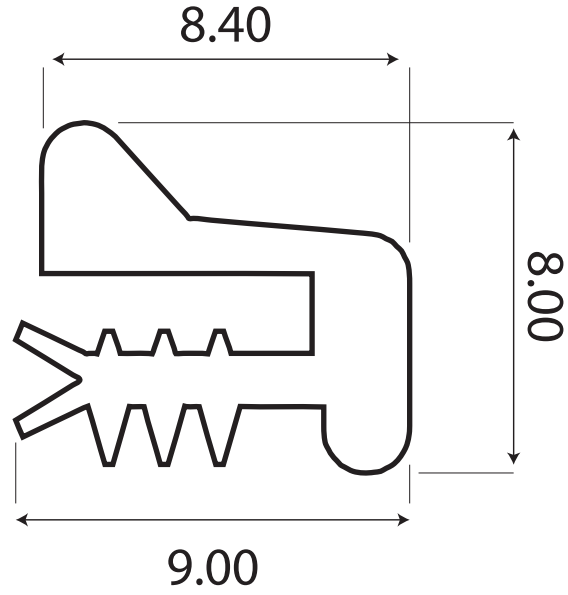
KC043



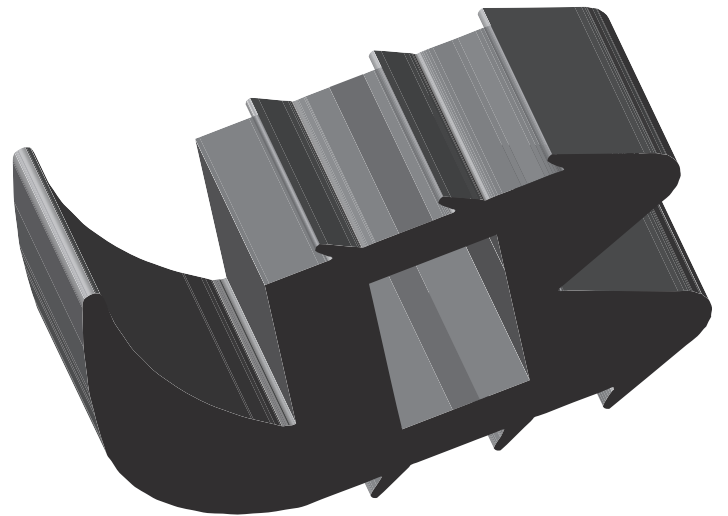
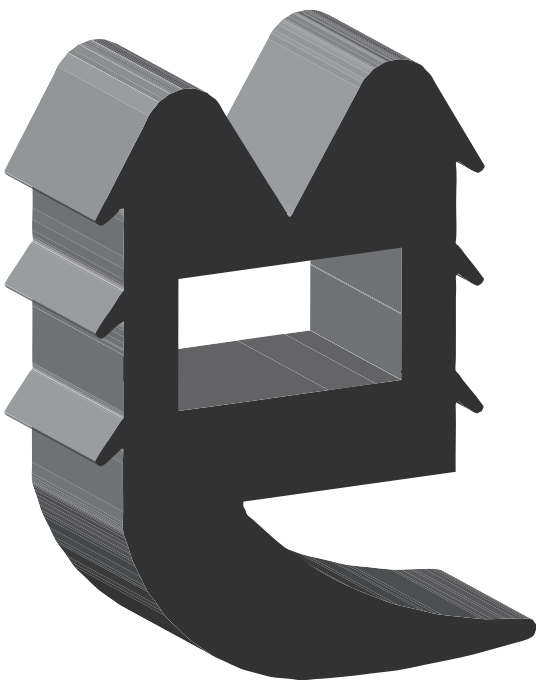
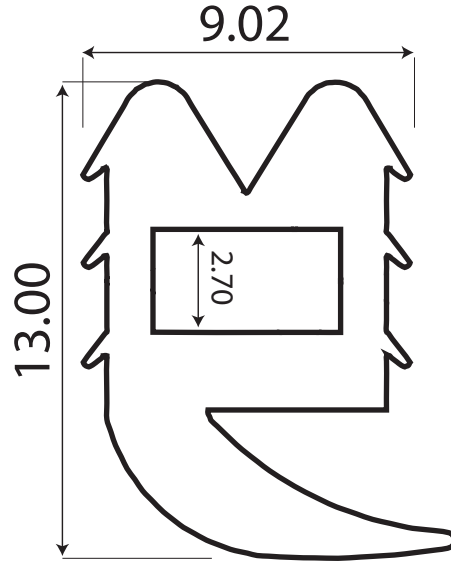
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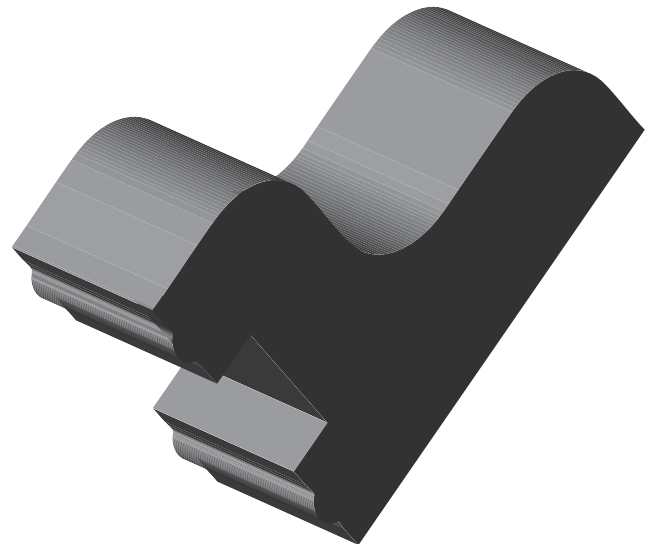
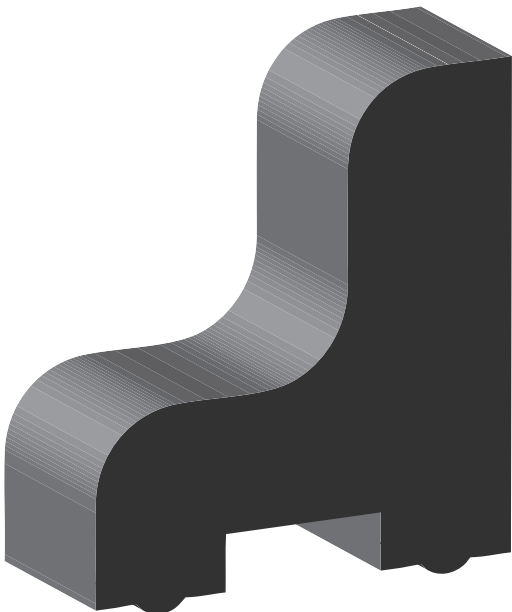
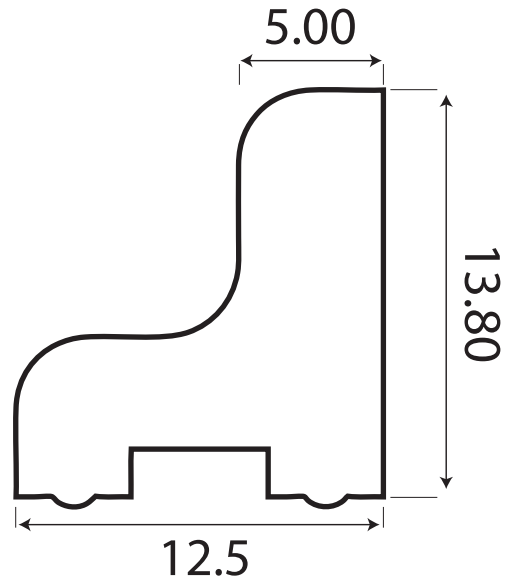
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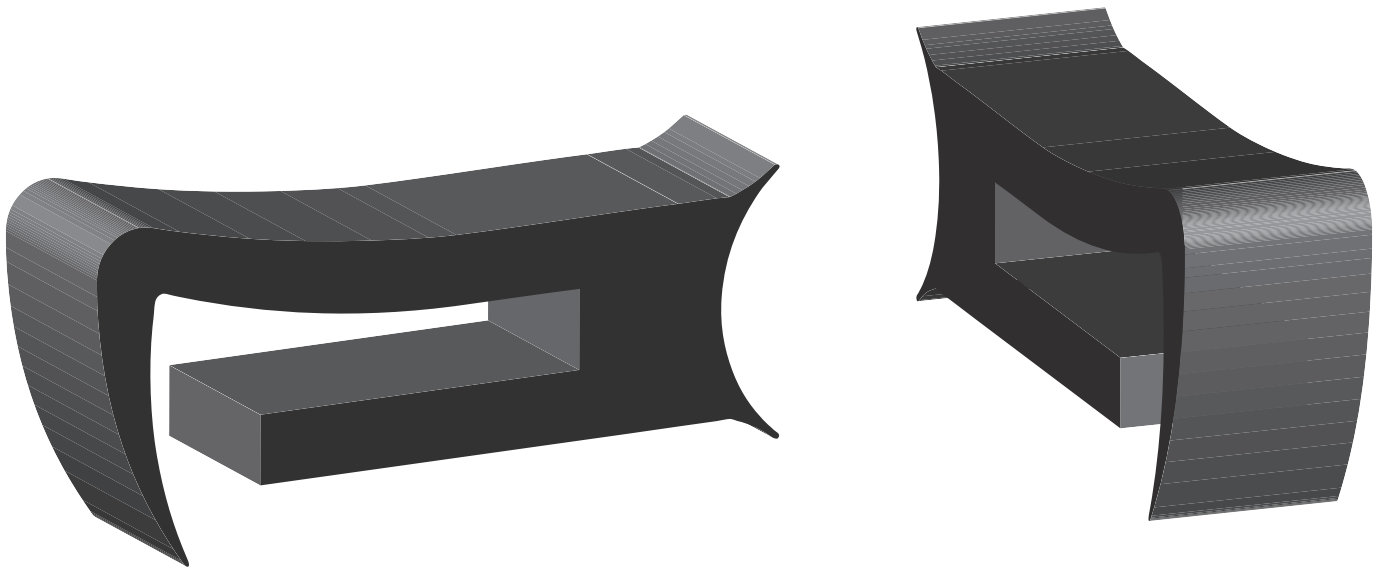
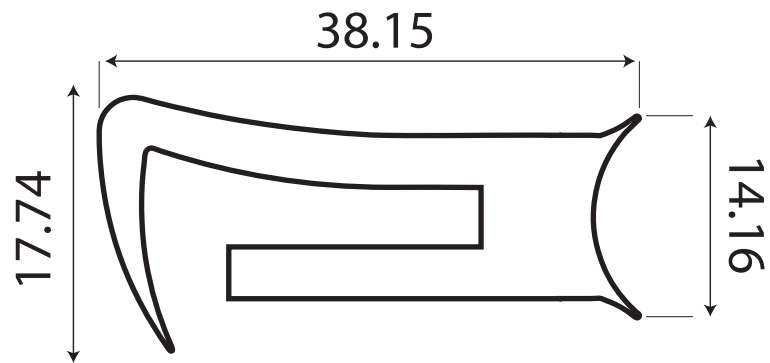
KC046



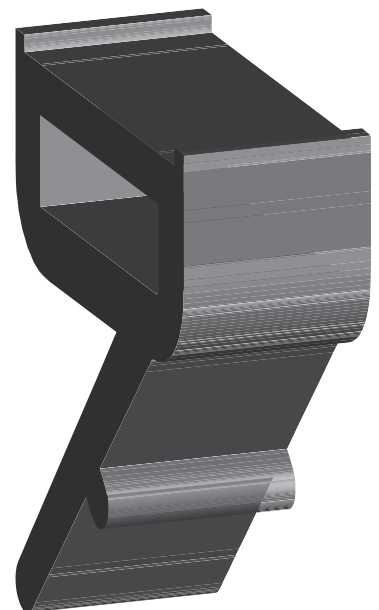
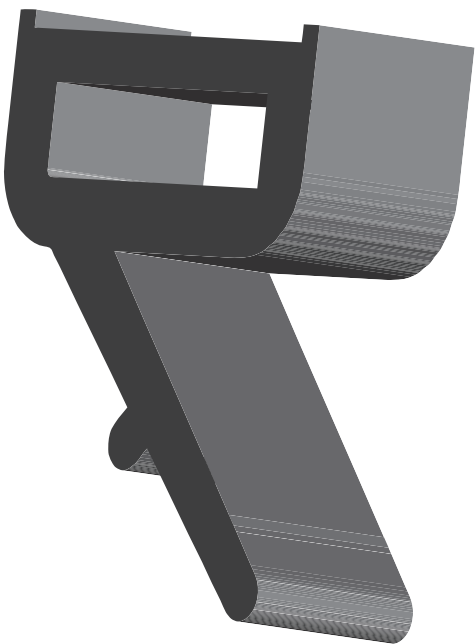
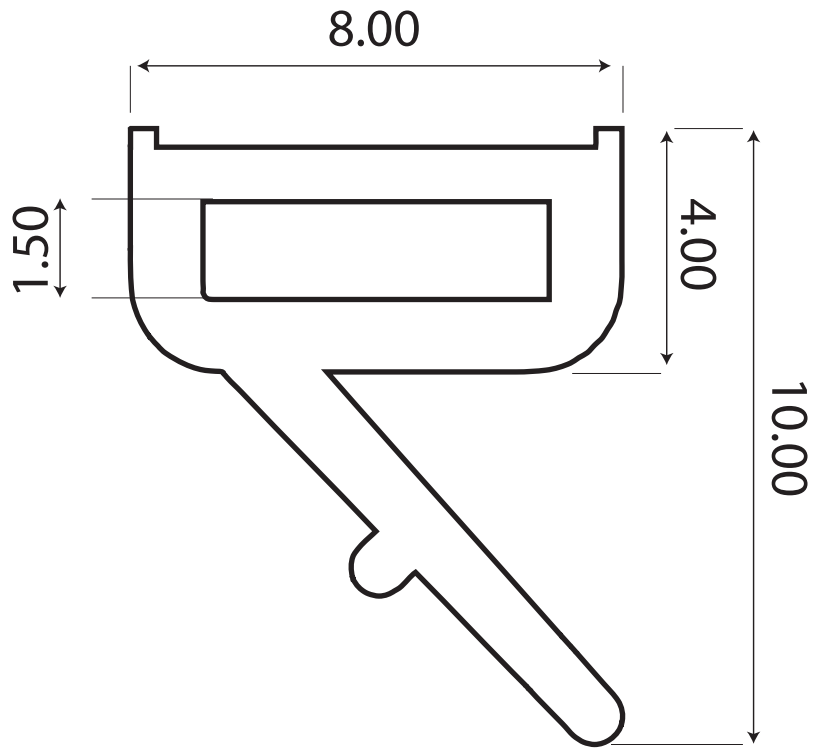
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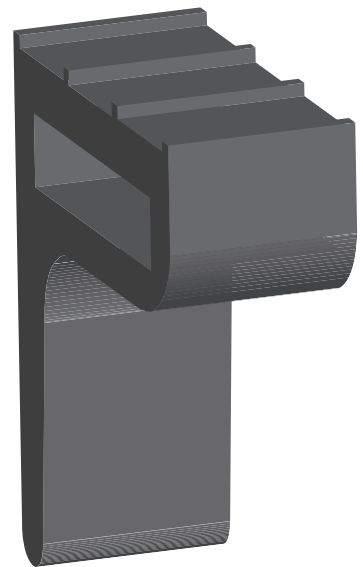
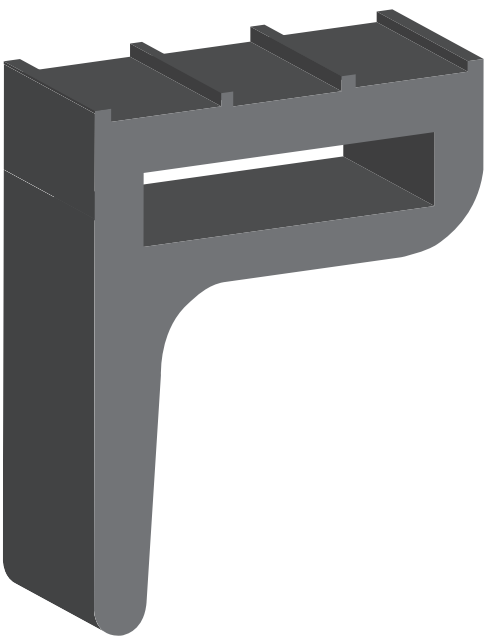
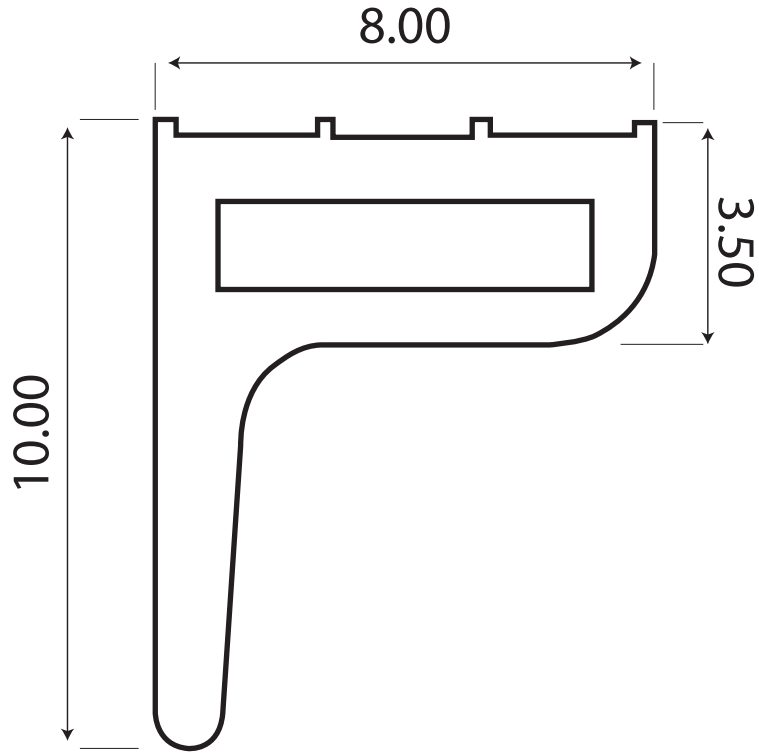
KC048



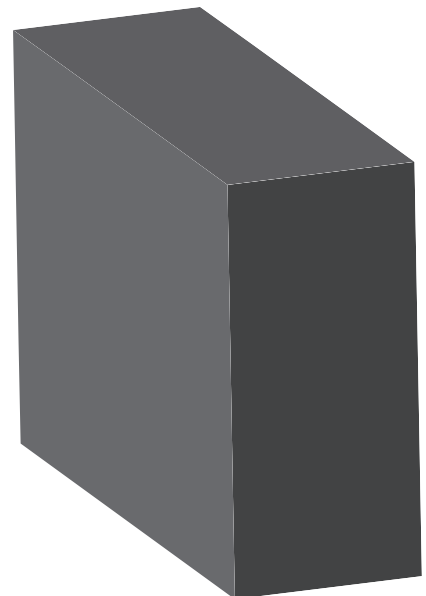
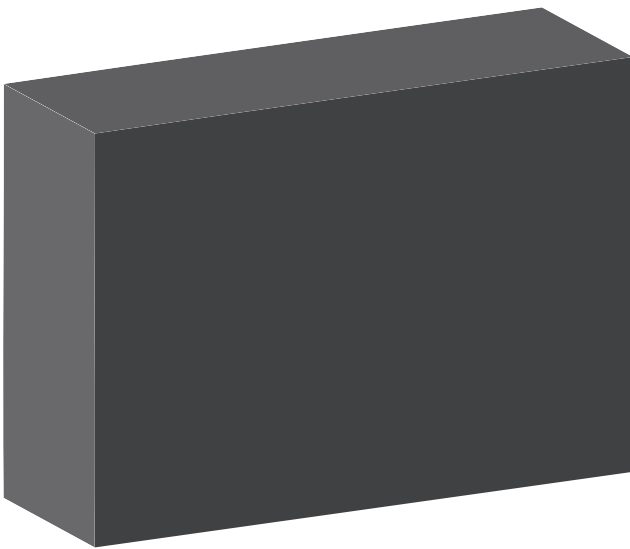
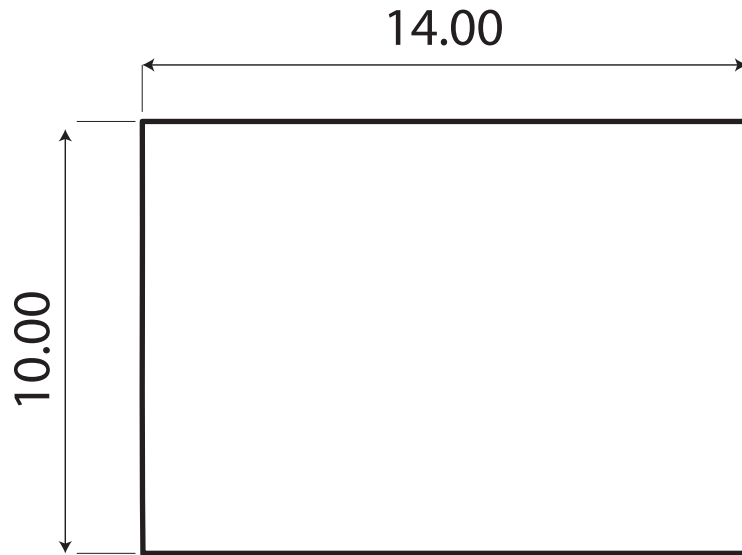
KC049



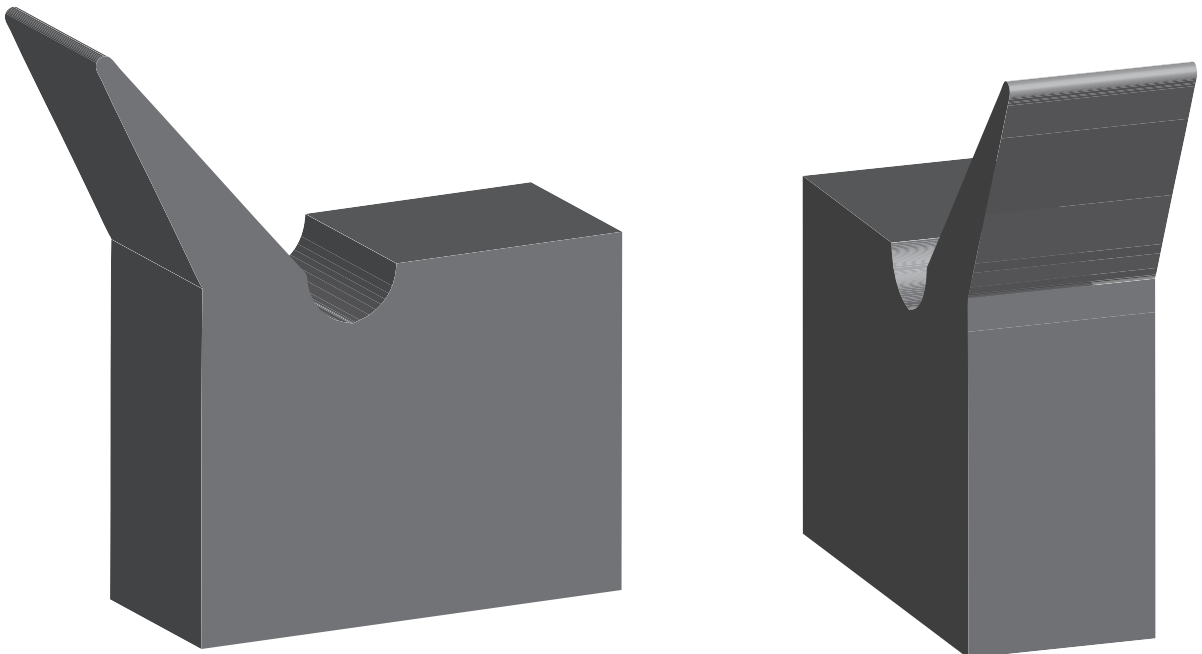
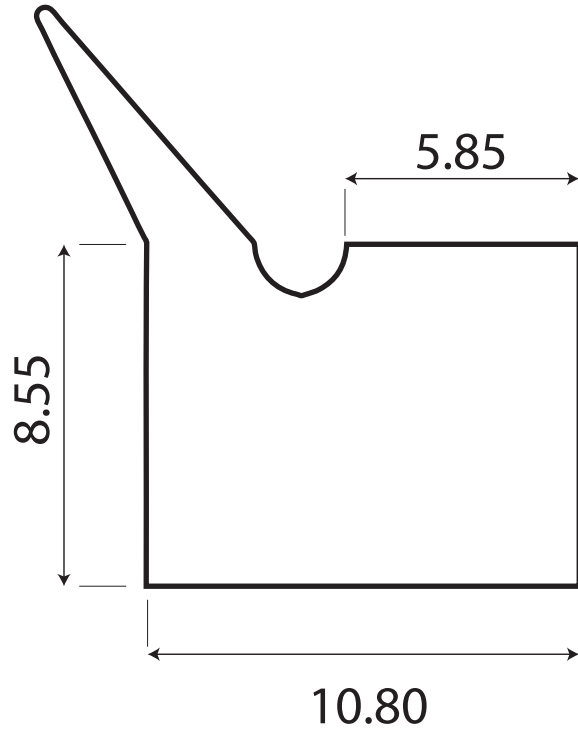
KC050



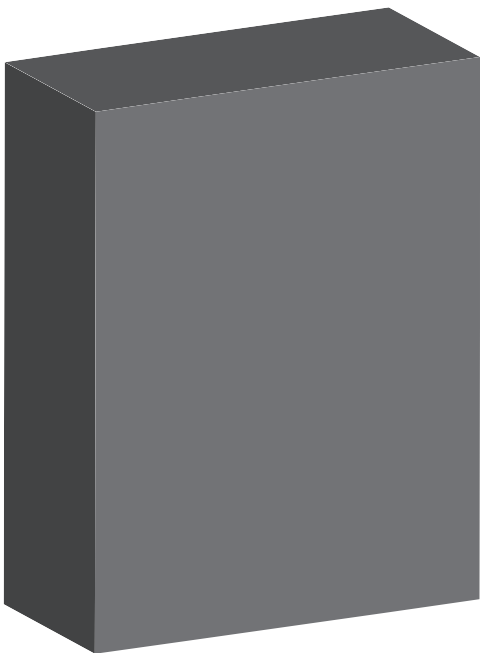
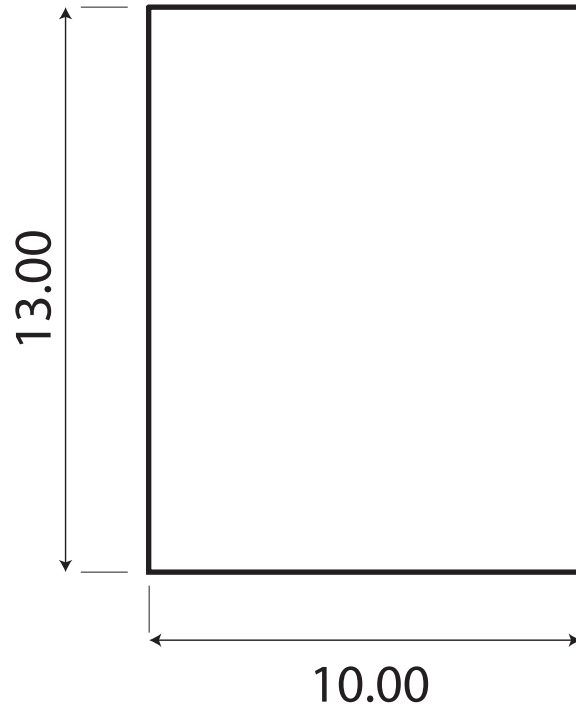
KC051



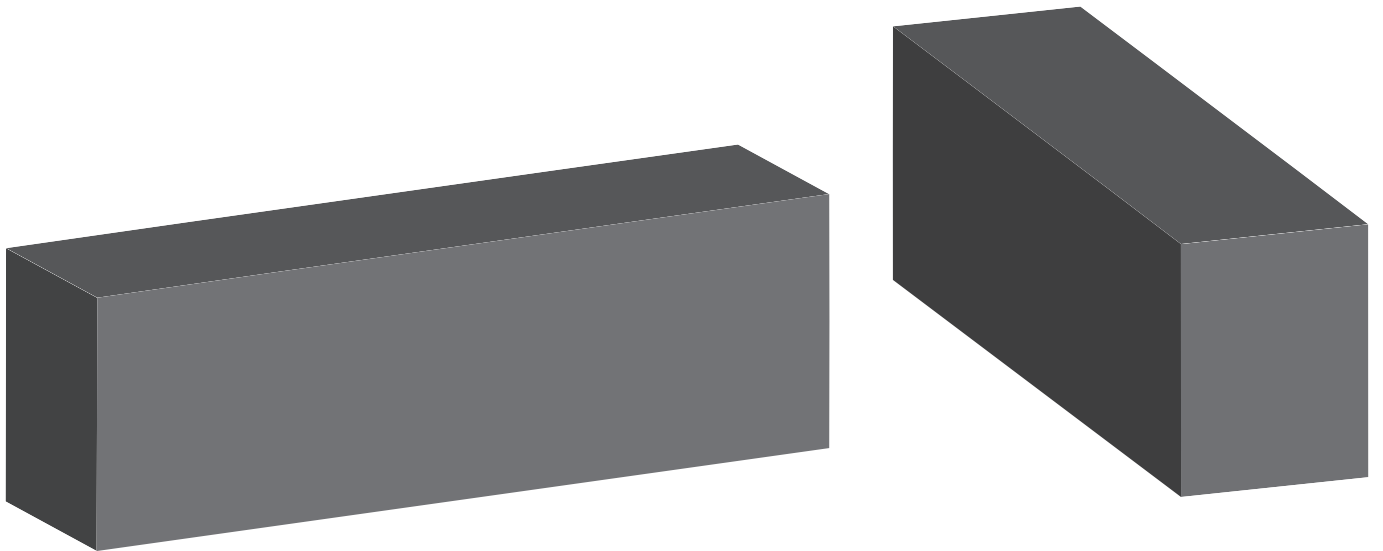
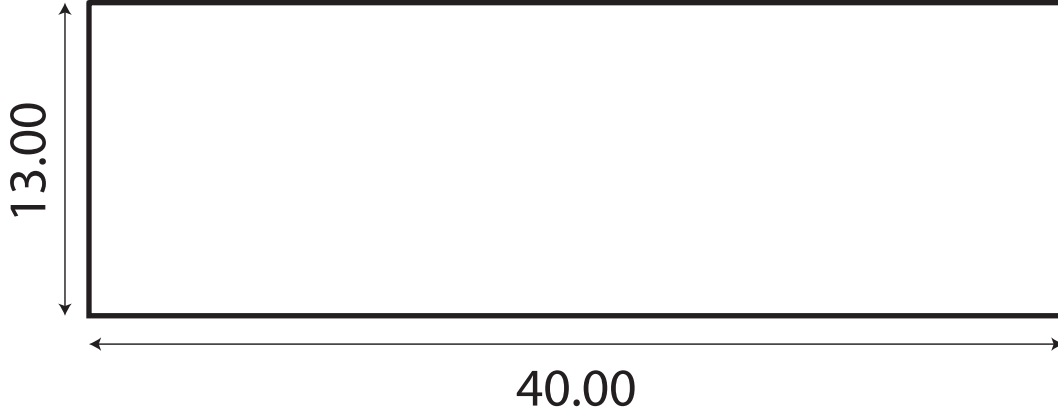
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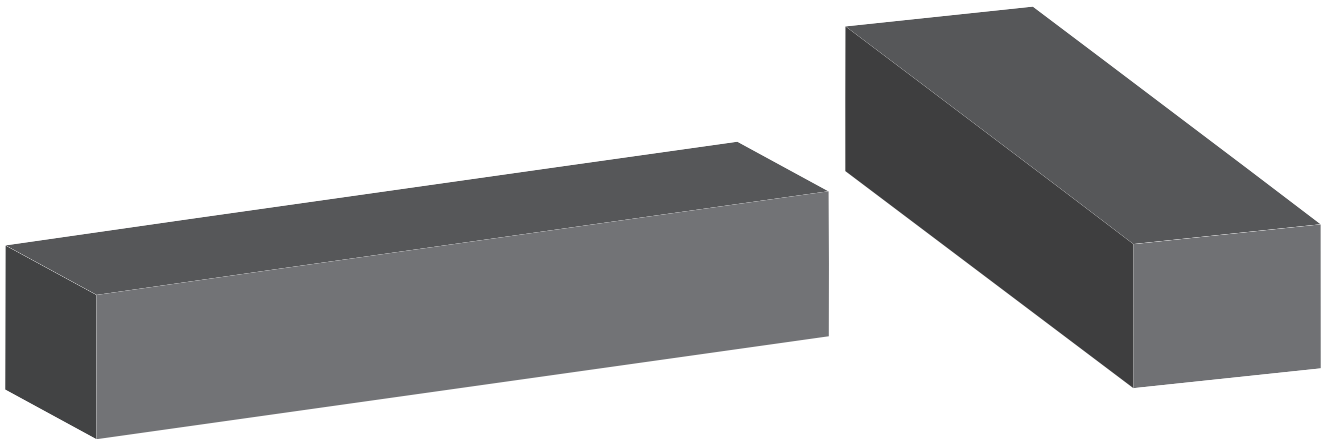
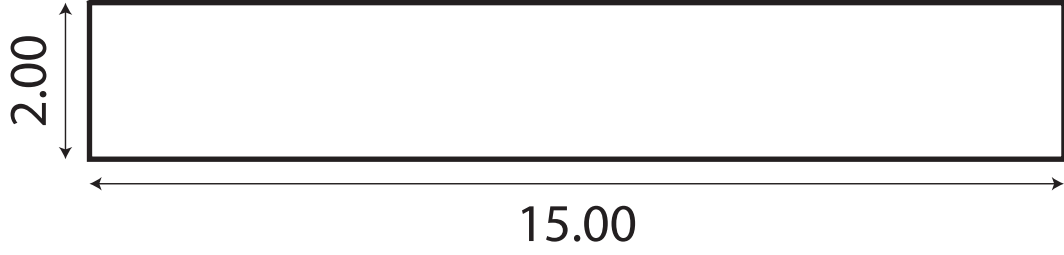
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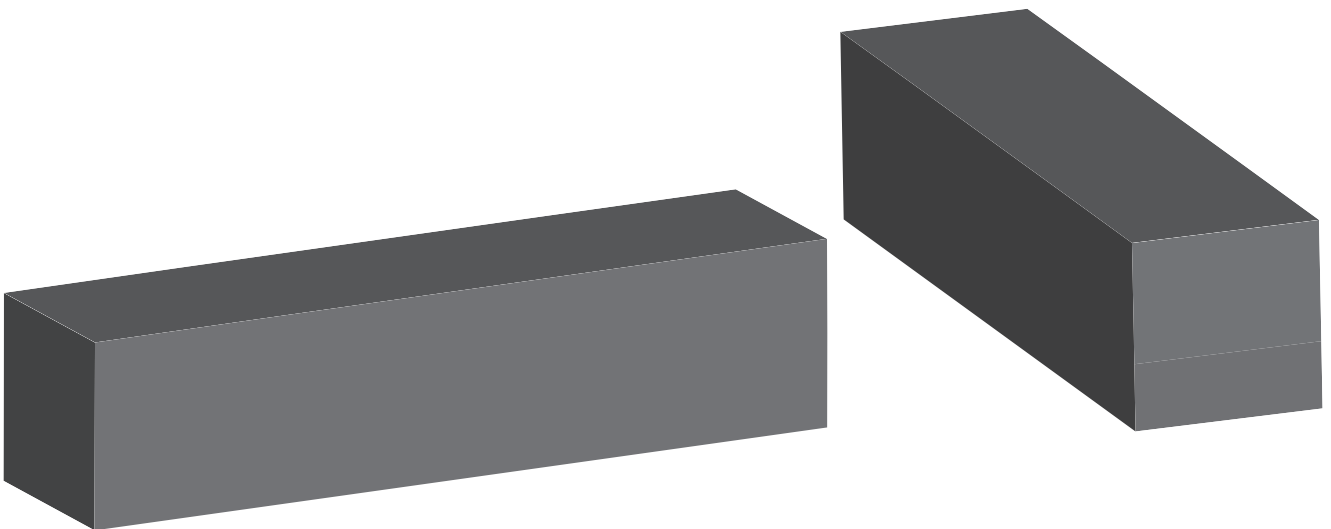
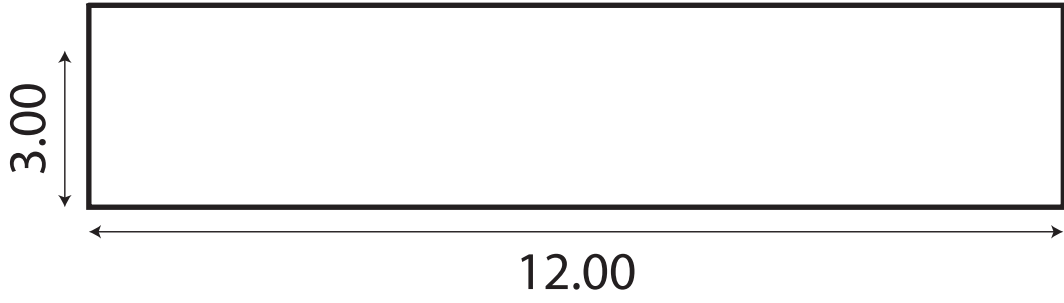
KC054



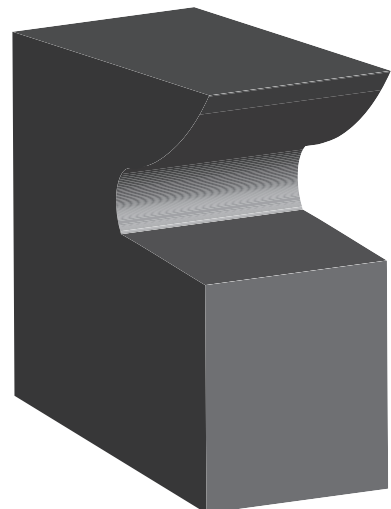
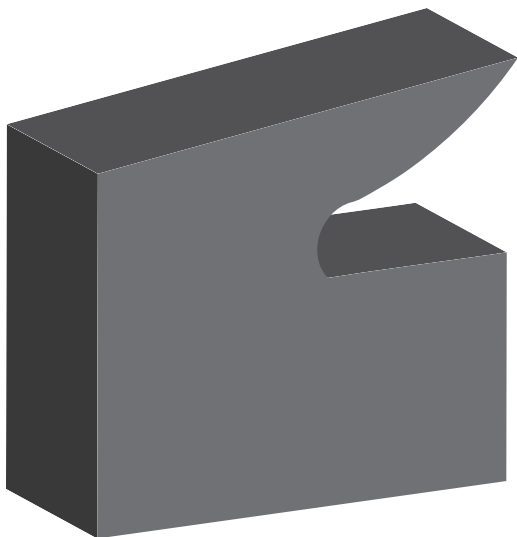
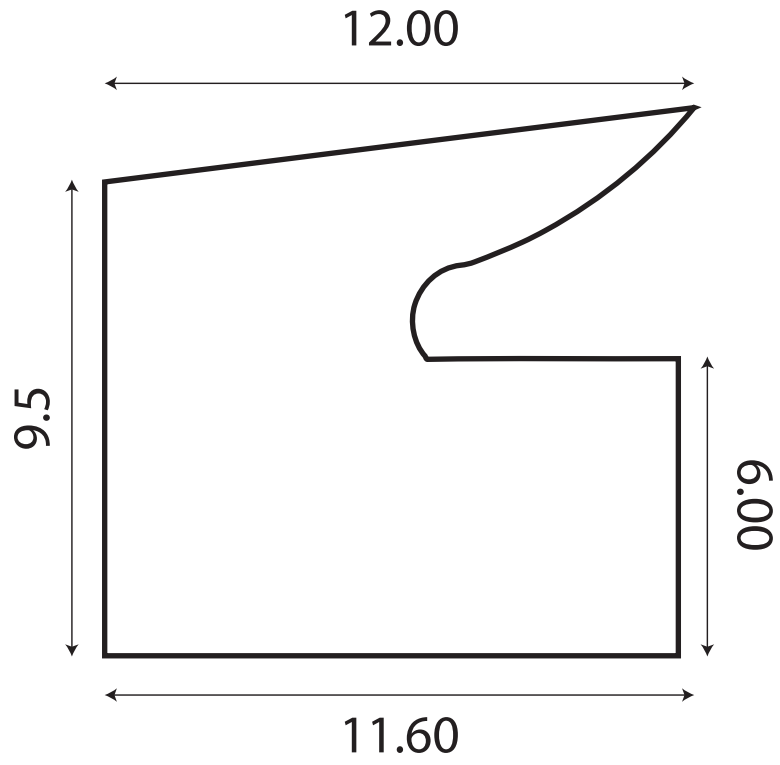
KC055



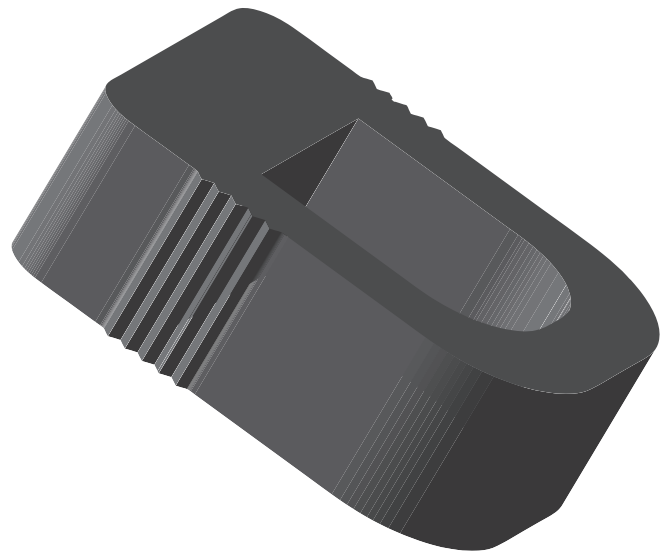
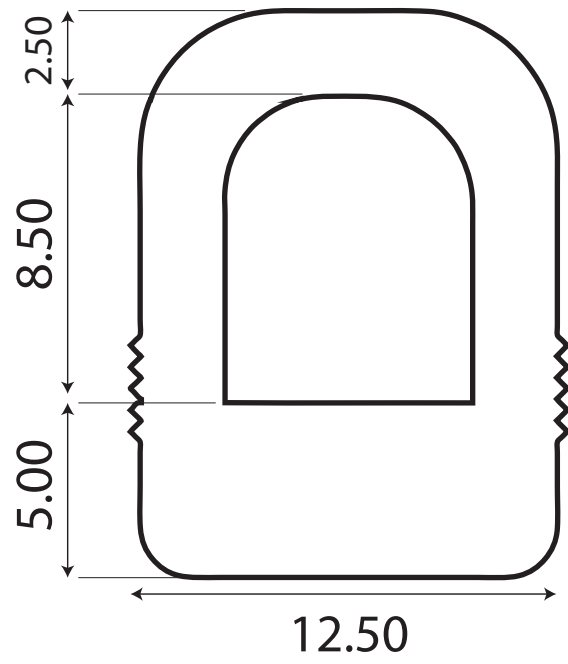
KC056



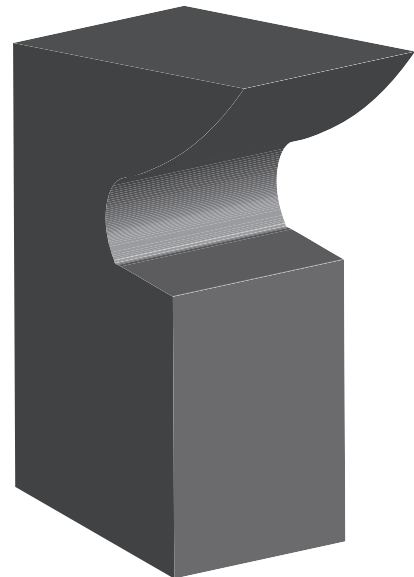
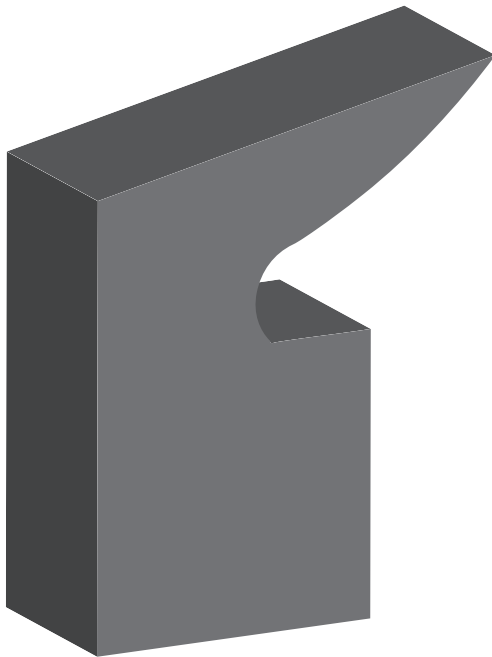
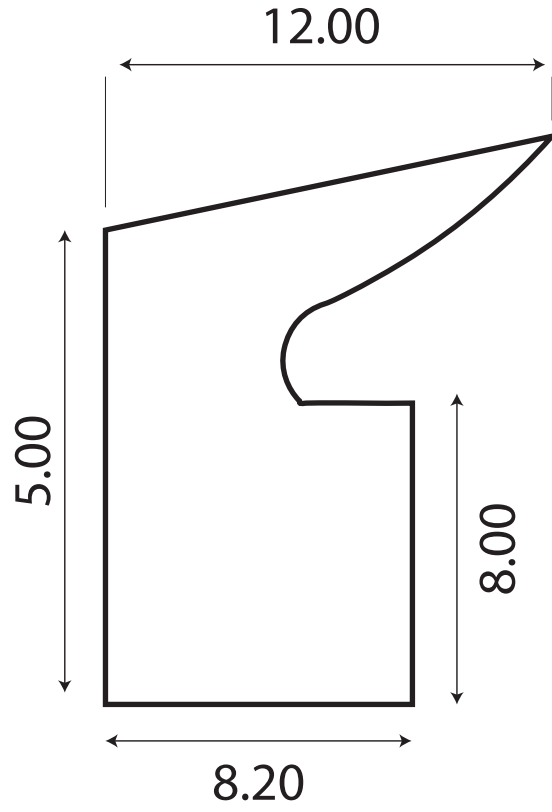
KC057



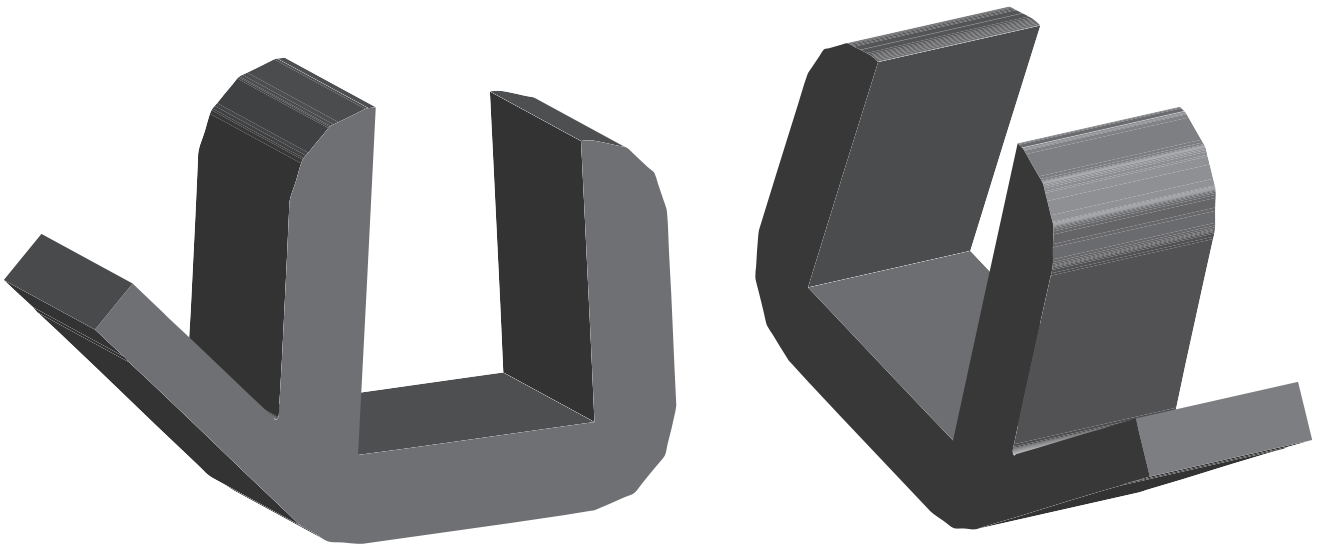
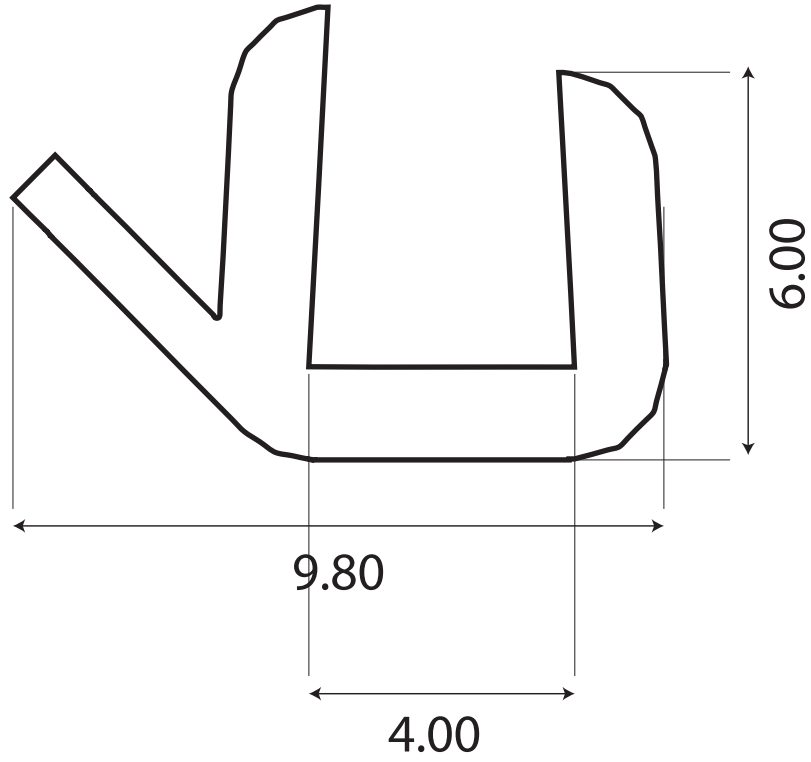
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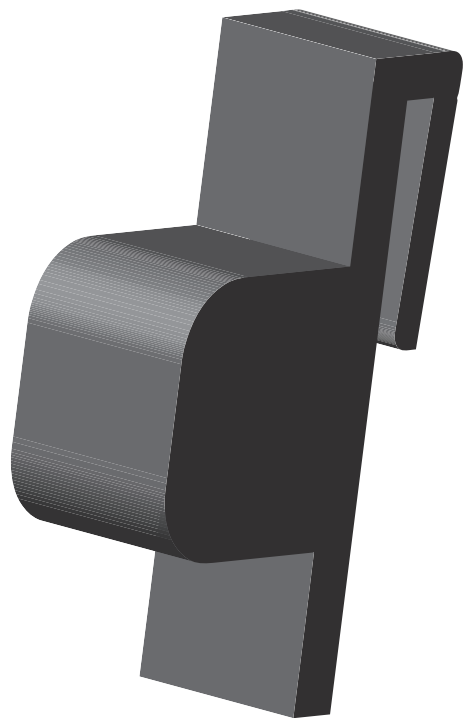
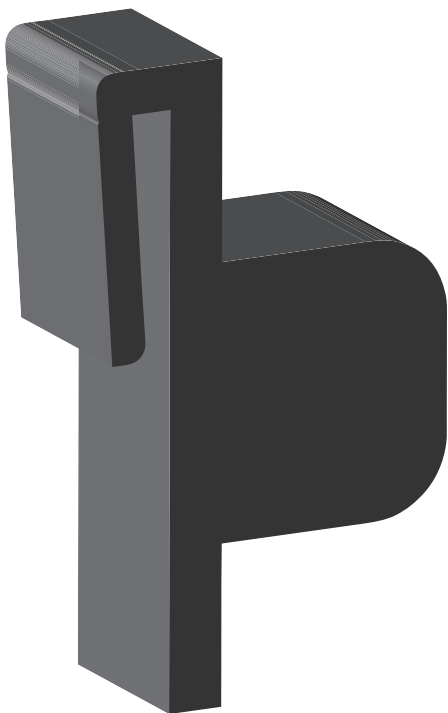
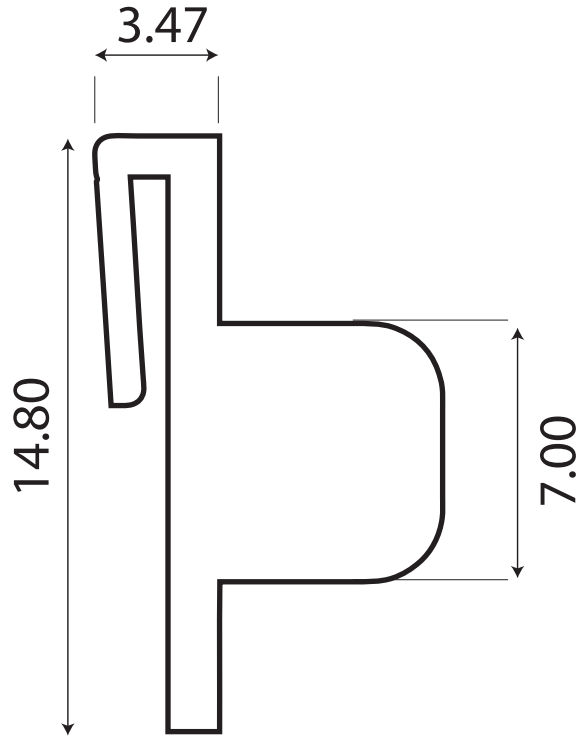
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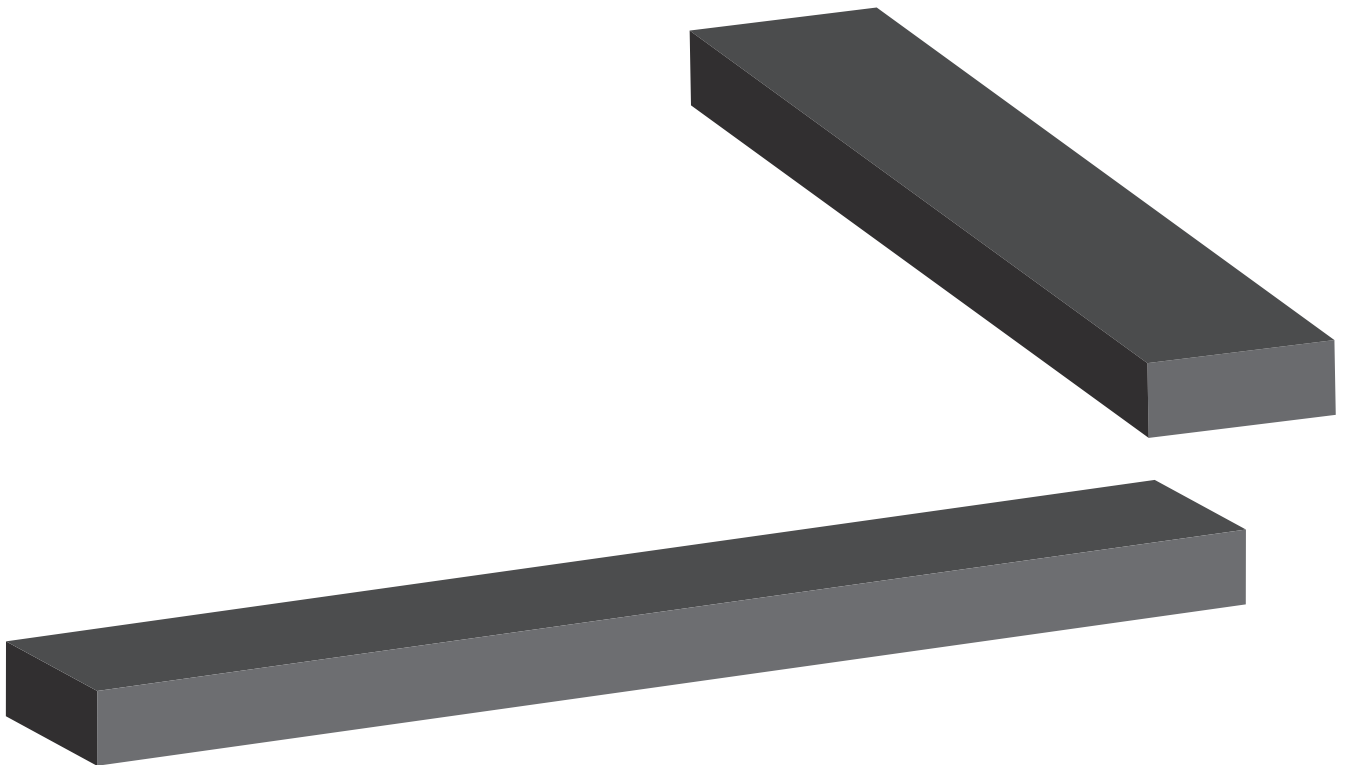
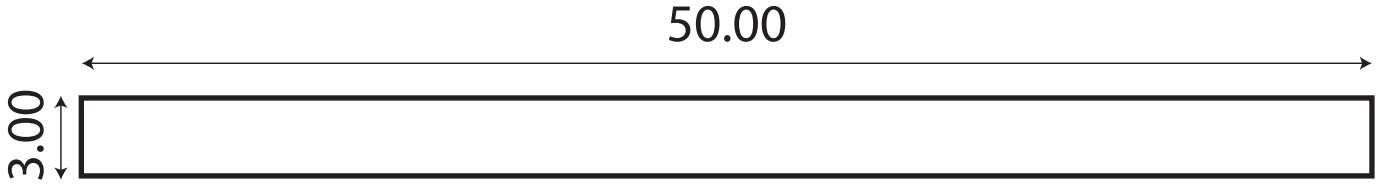
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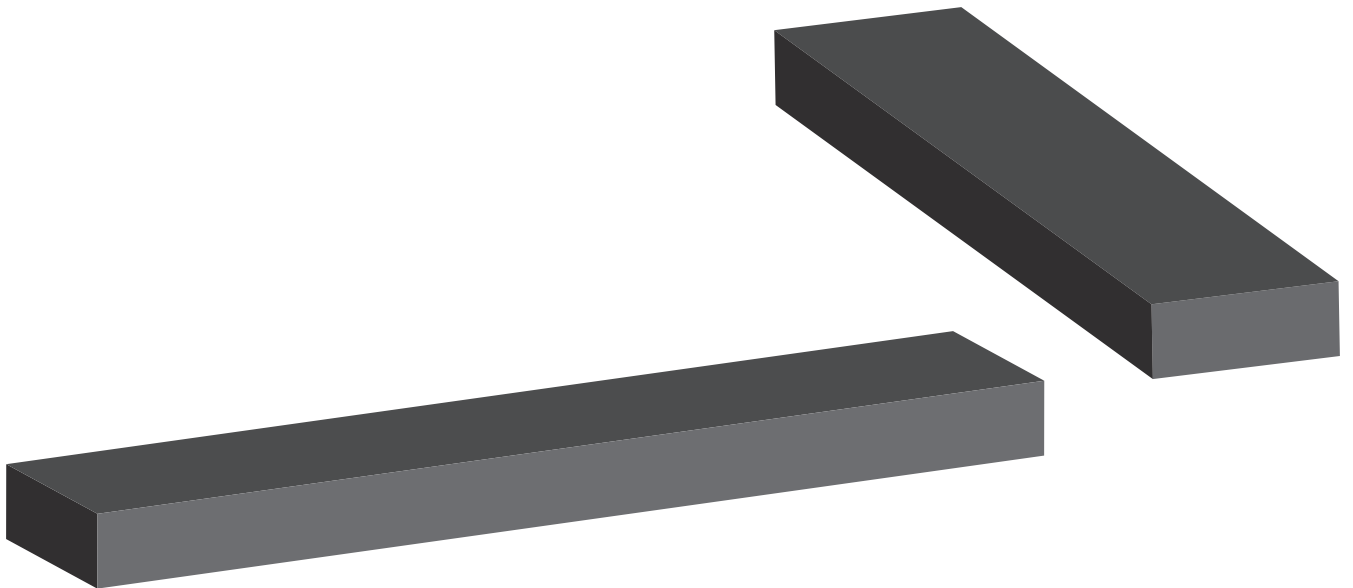
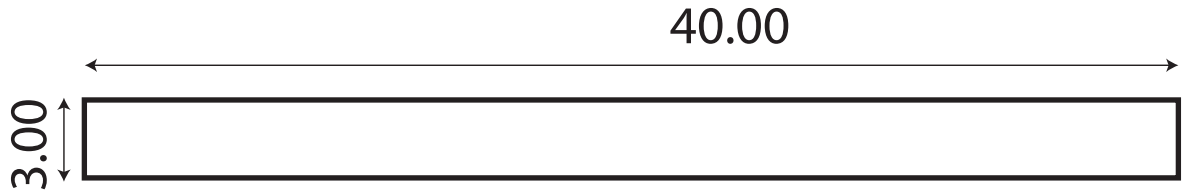
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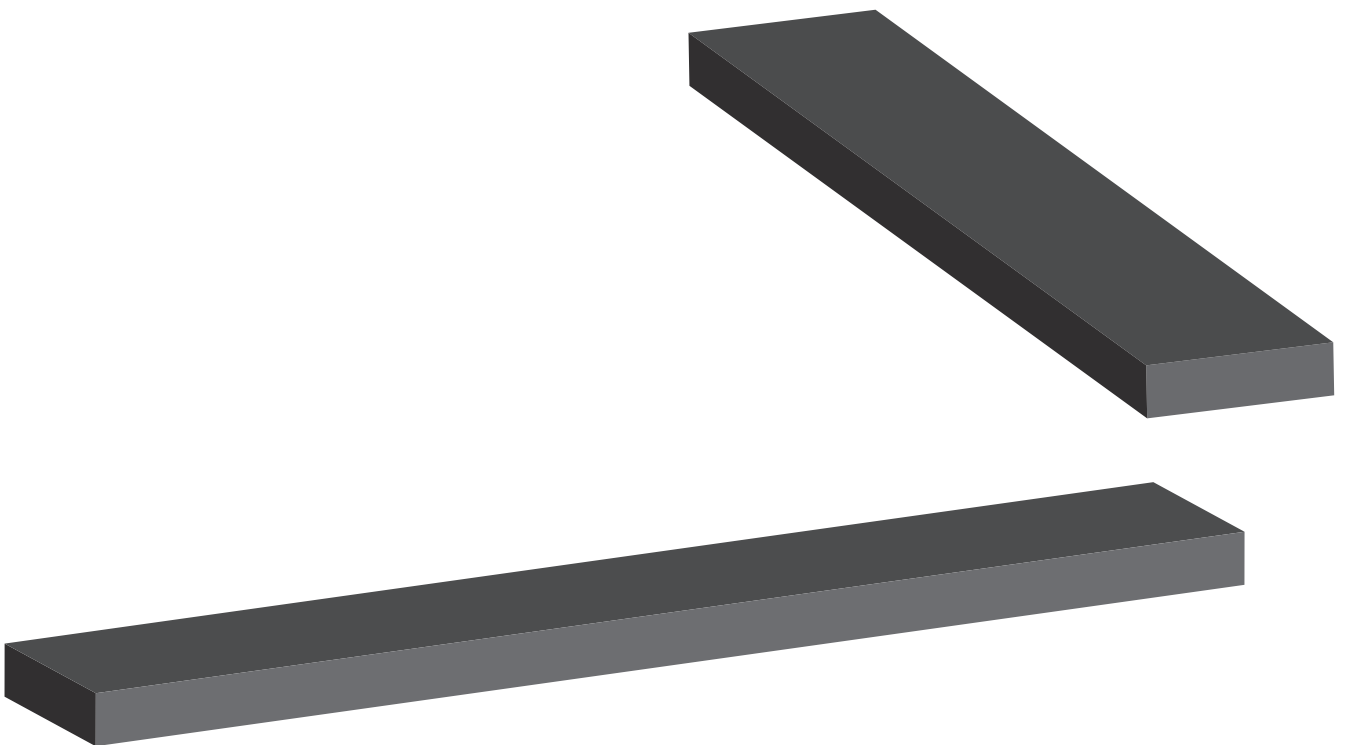
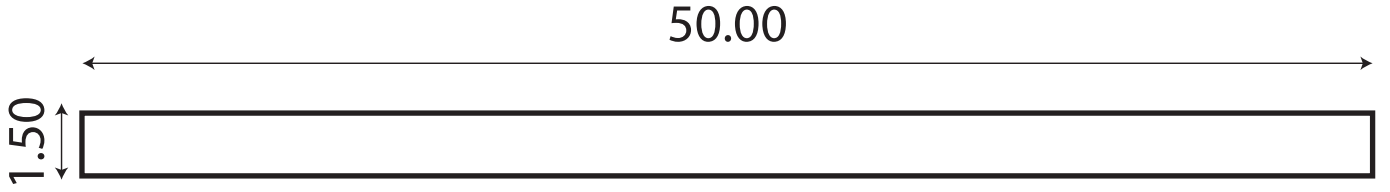
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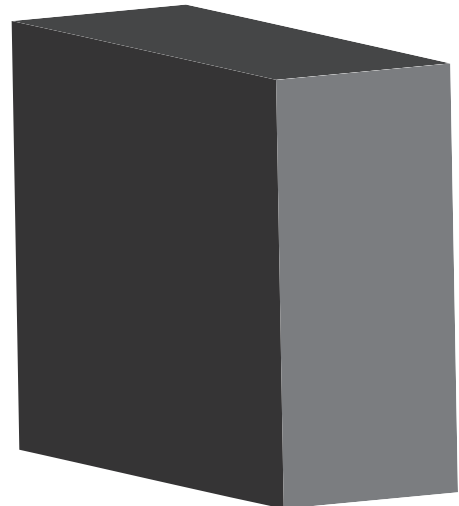
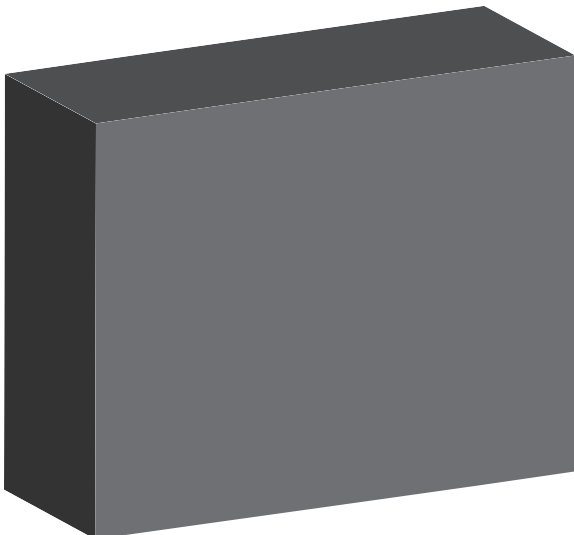
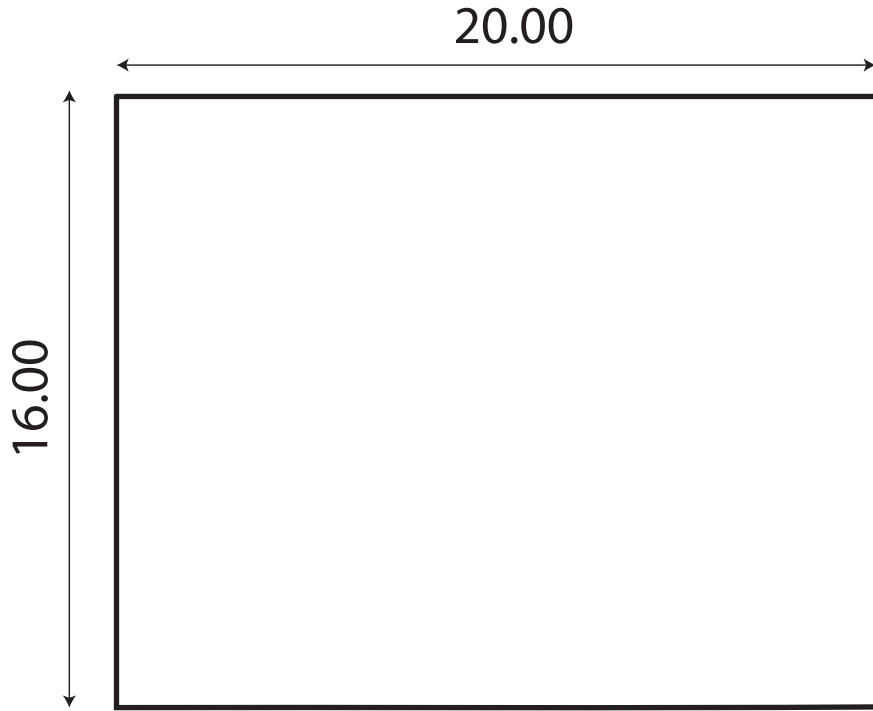
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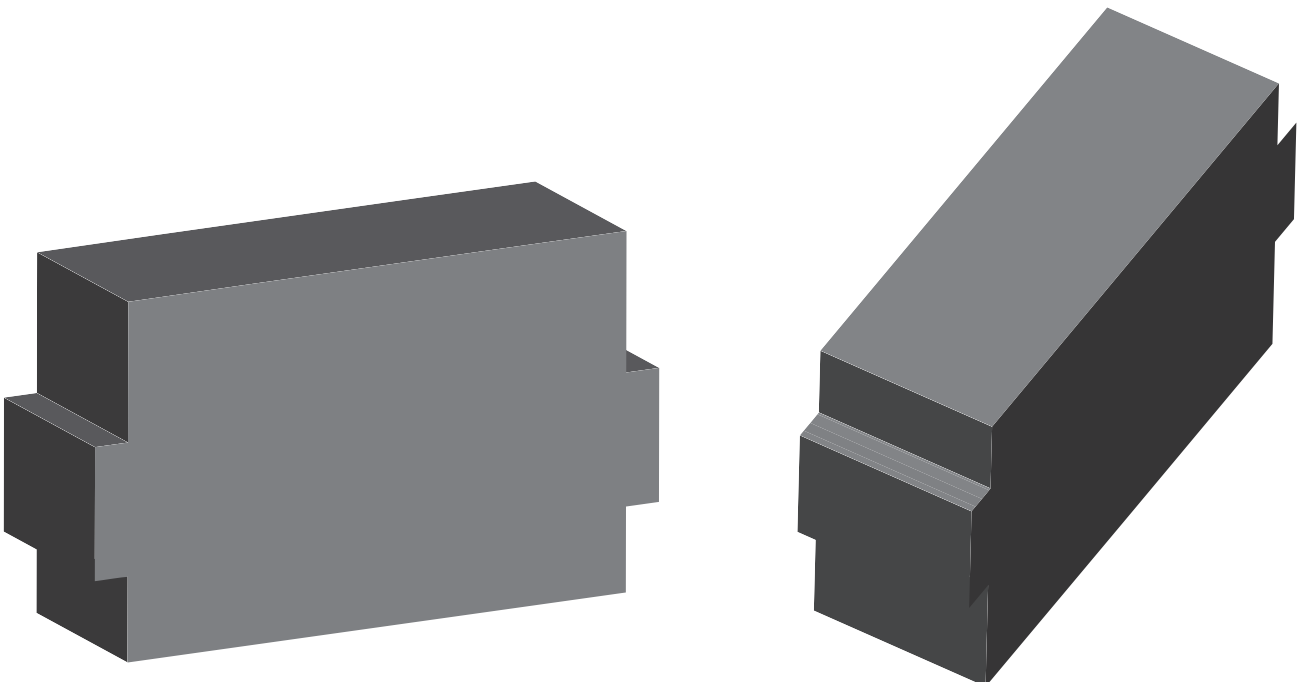
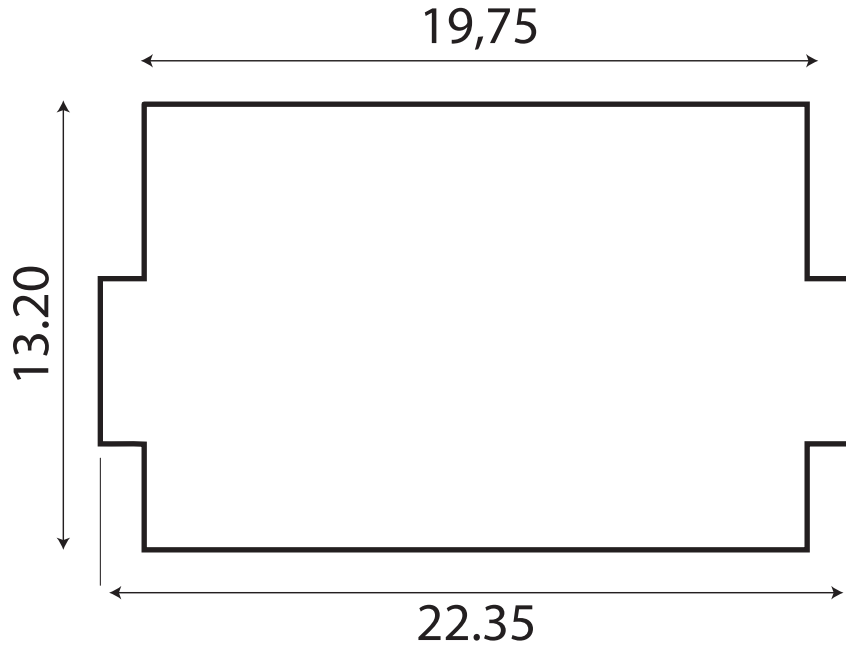
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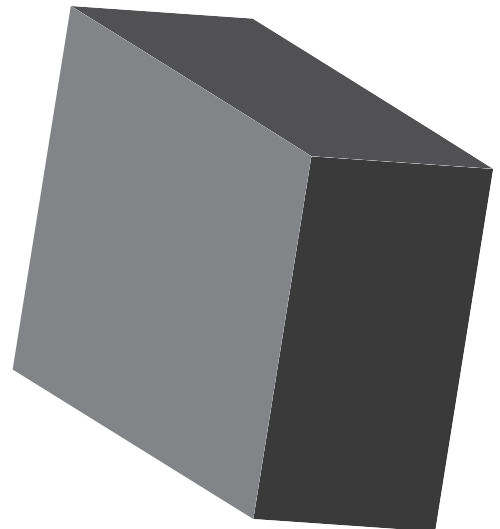
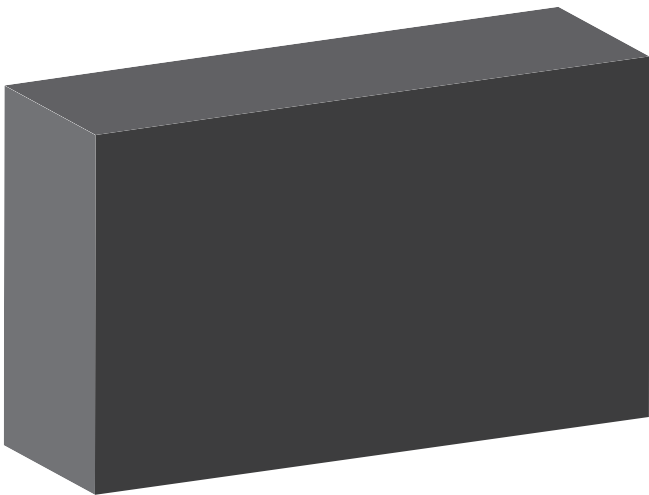
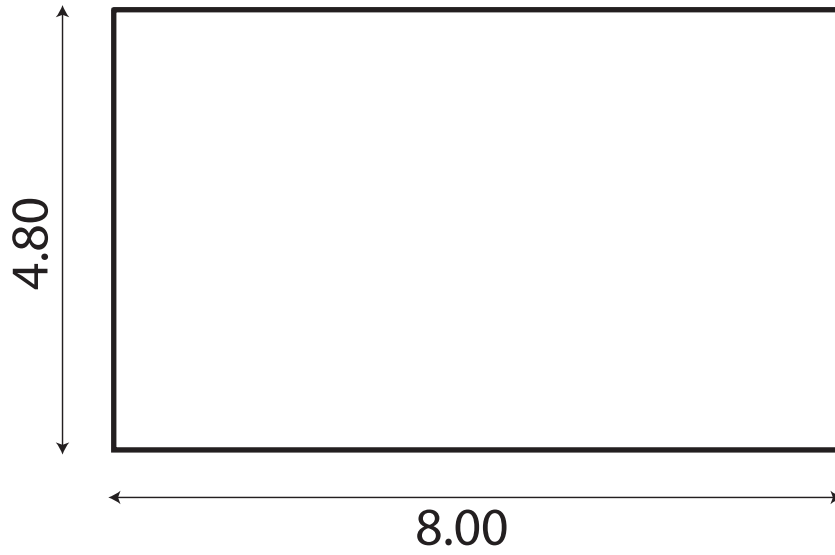
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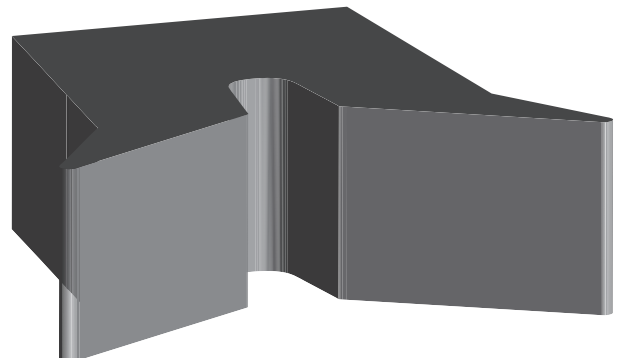
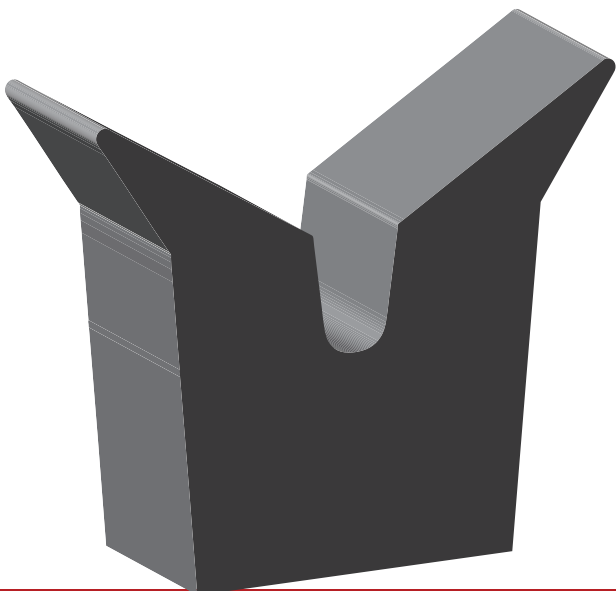
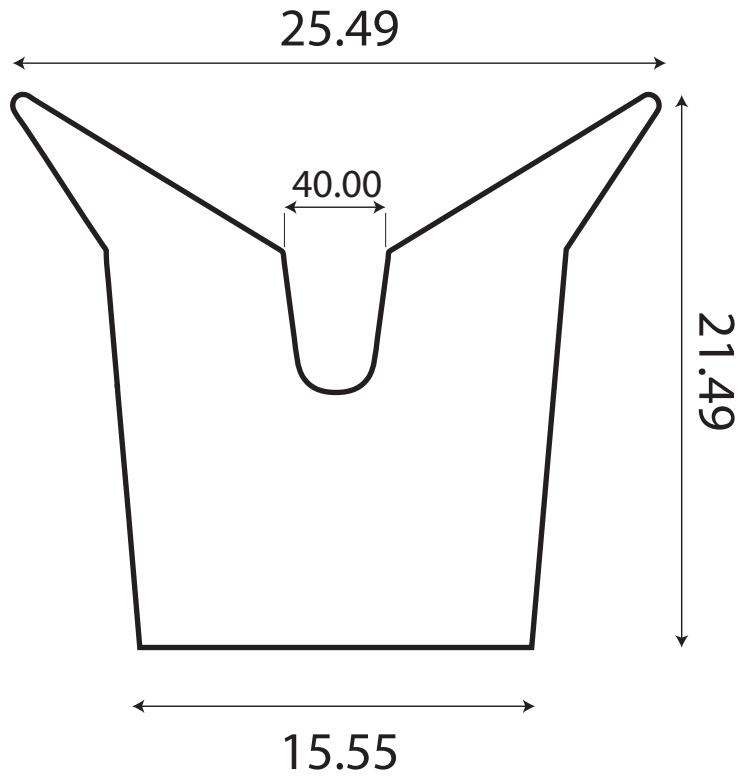
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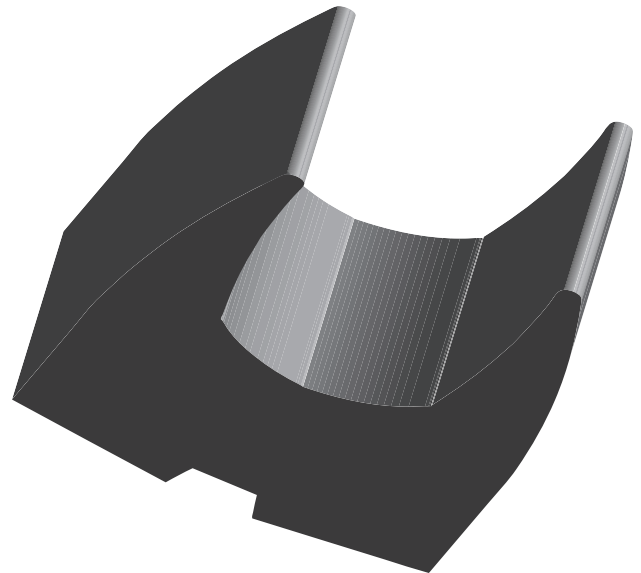
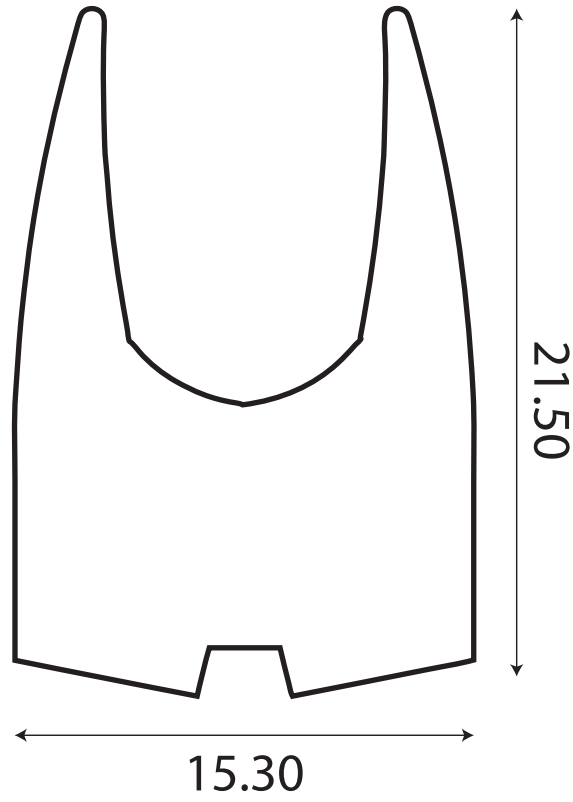
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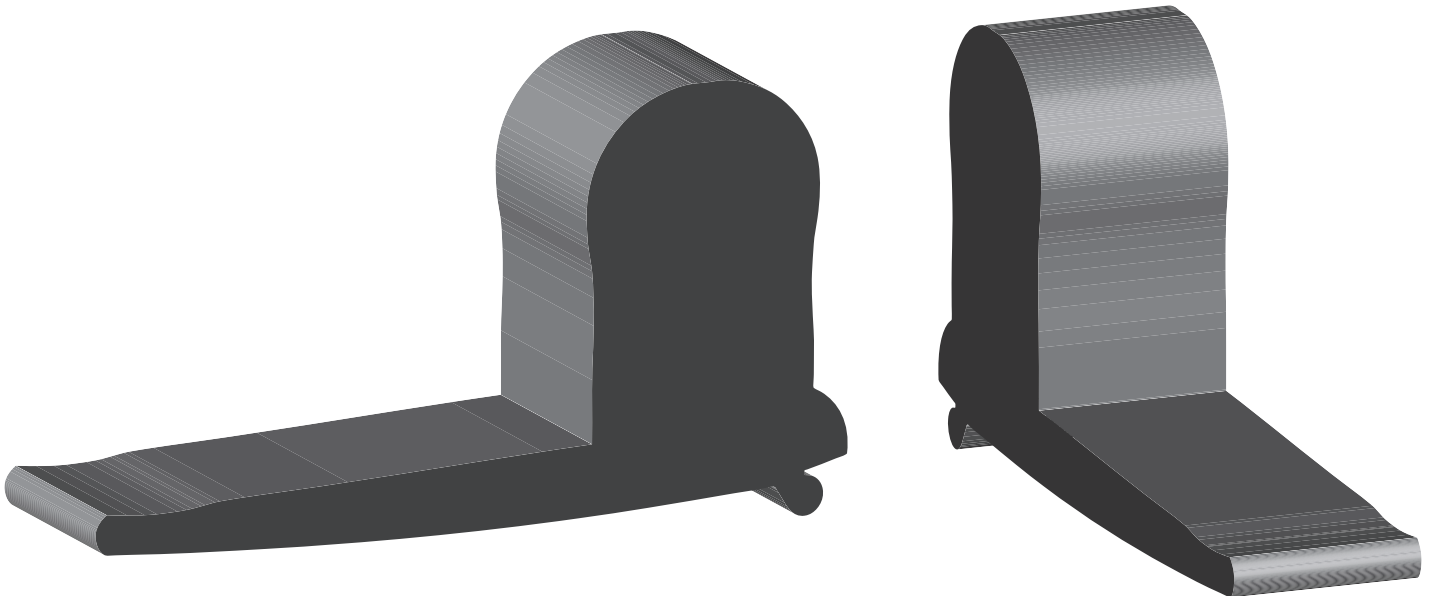
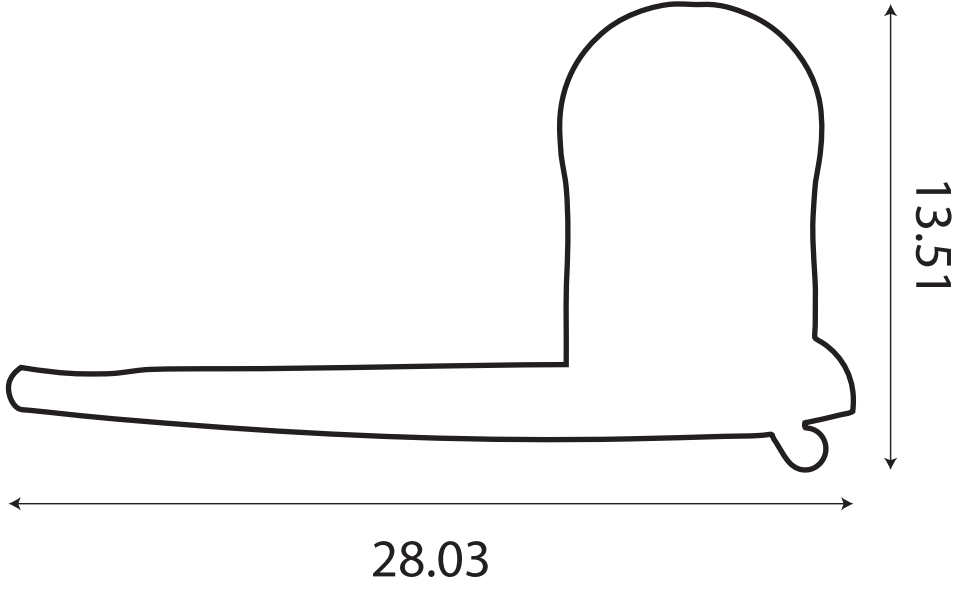
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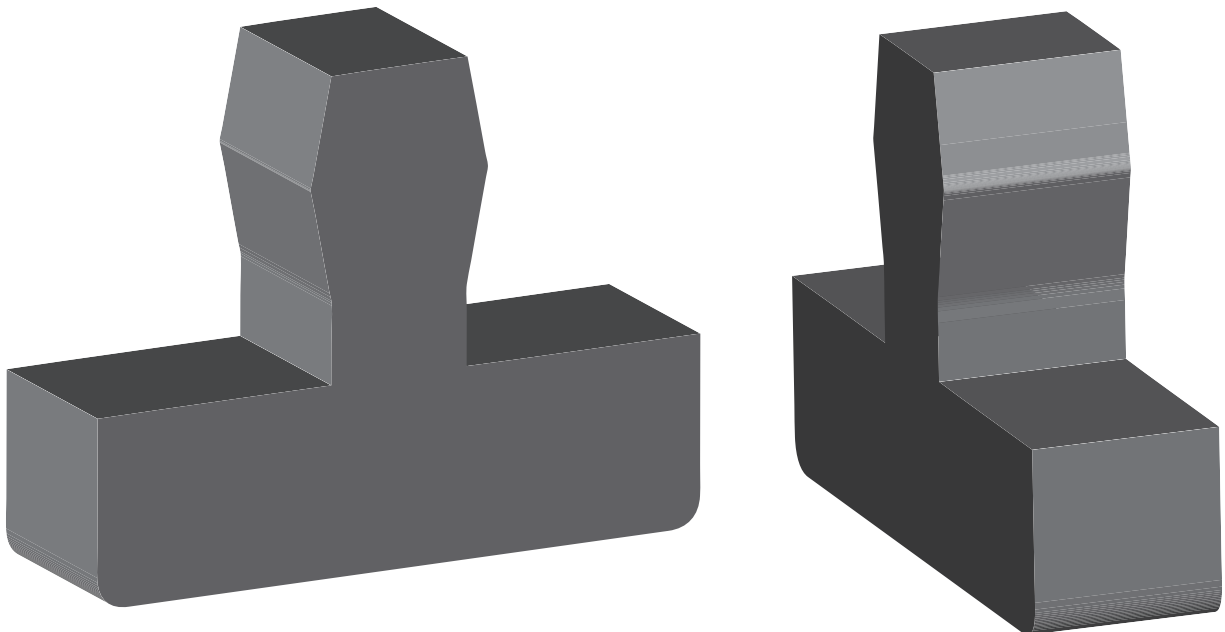
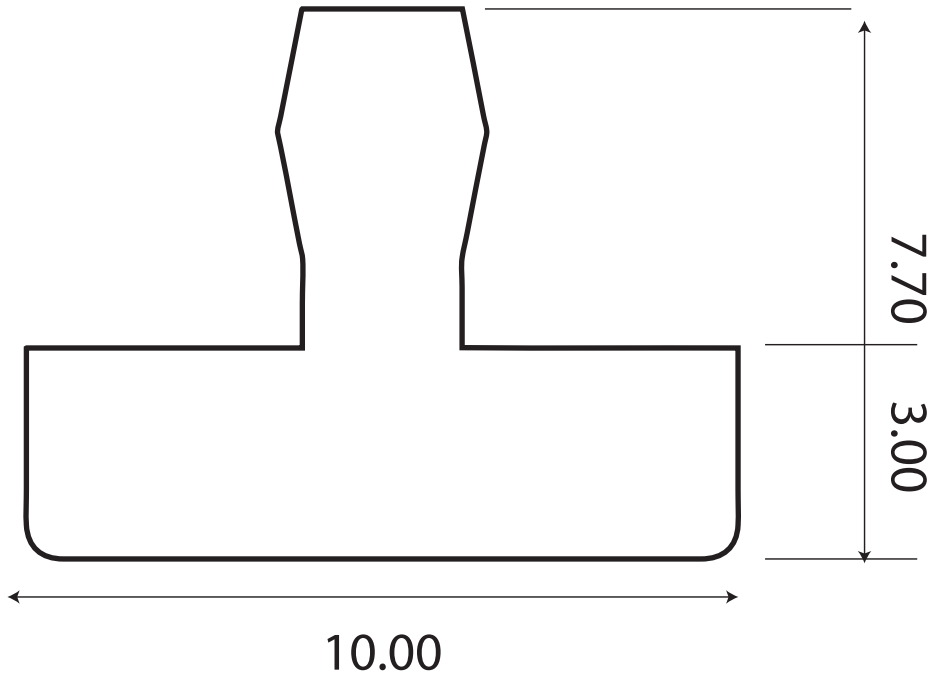
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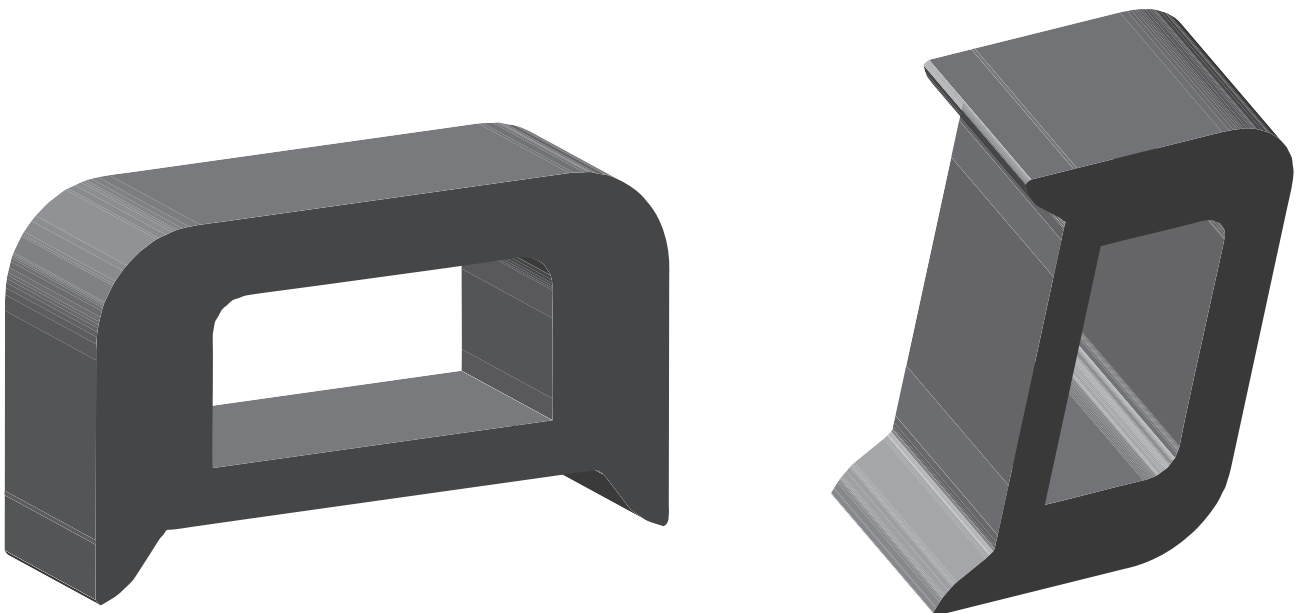
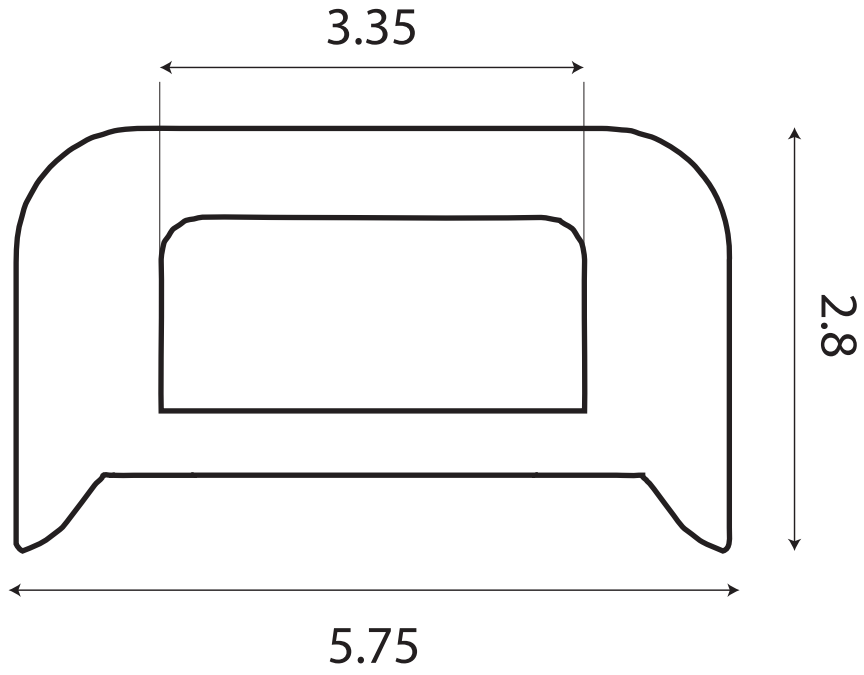
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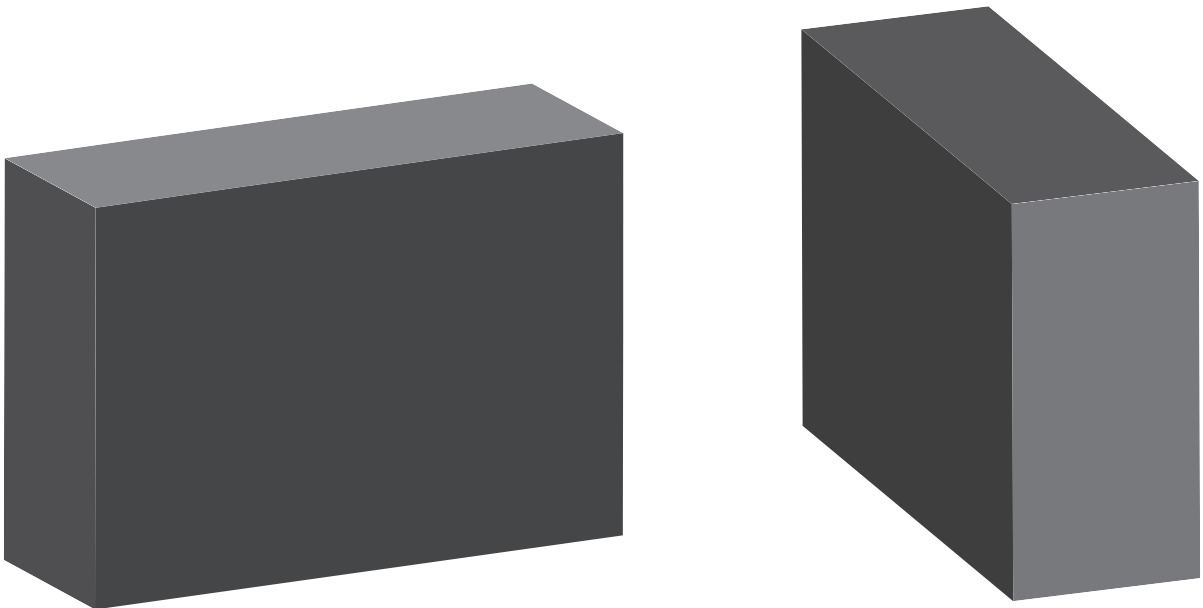
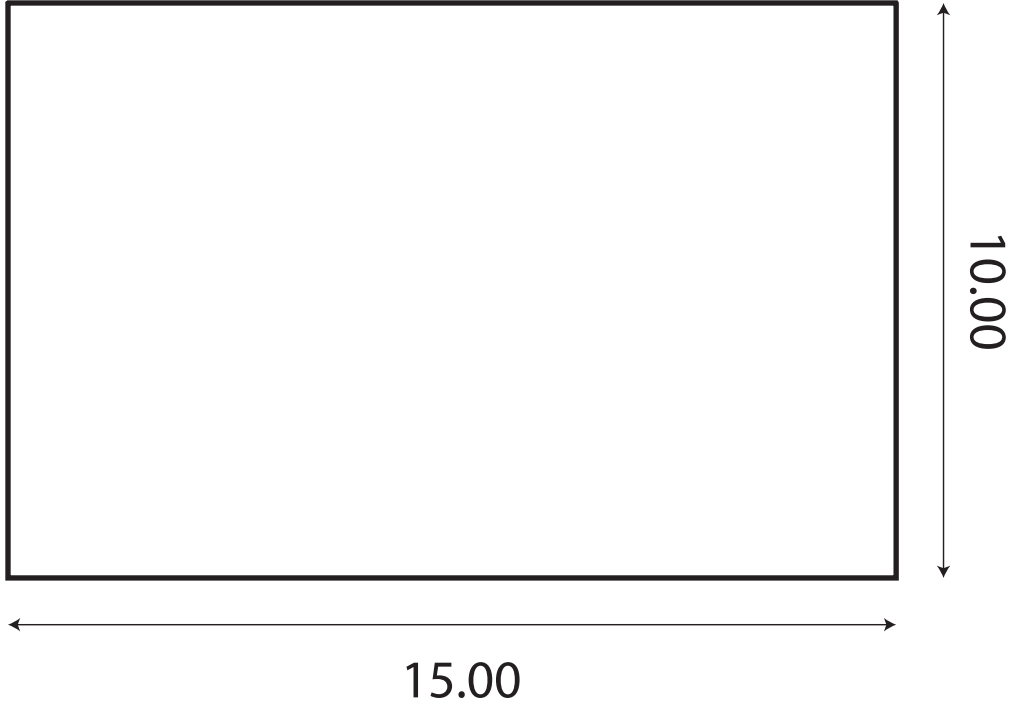
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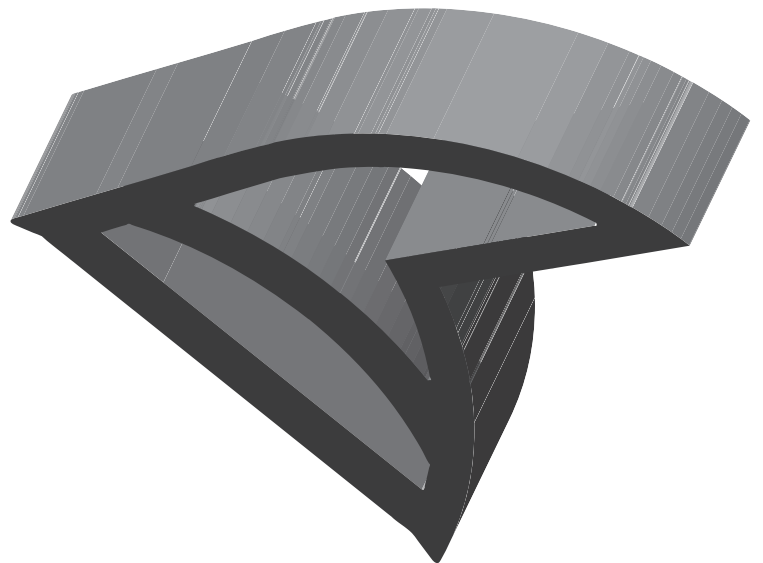
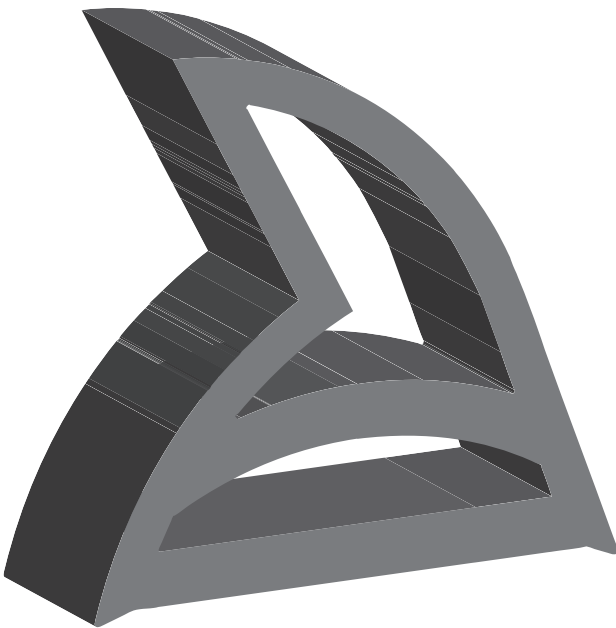
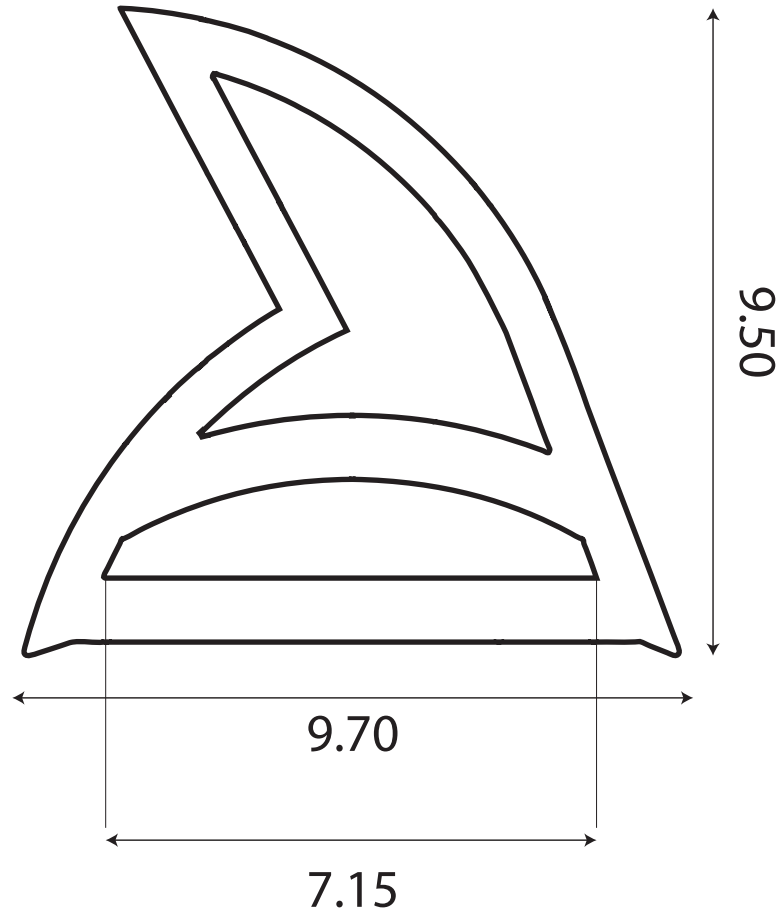
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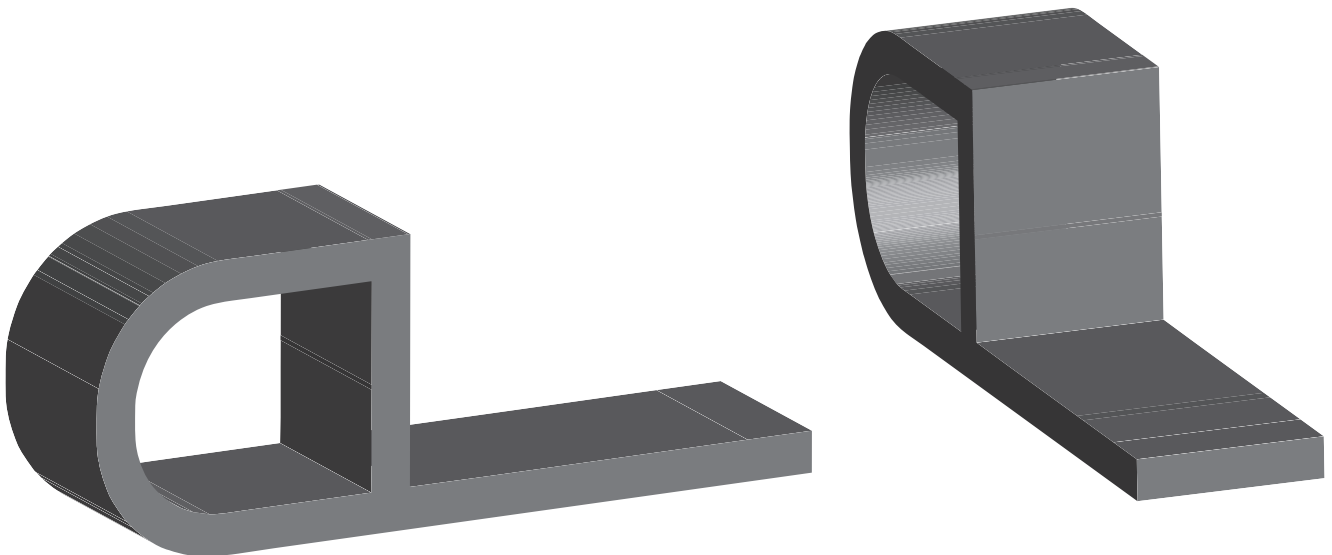
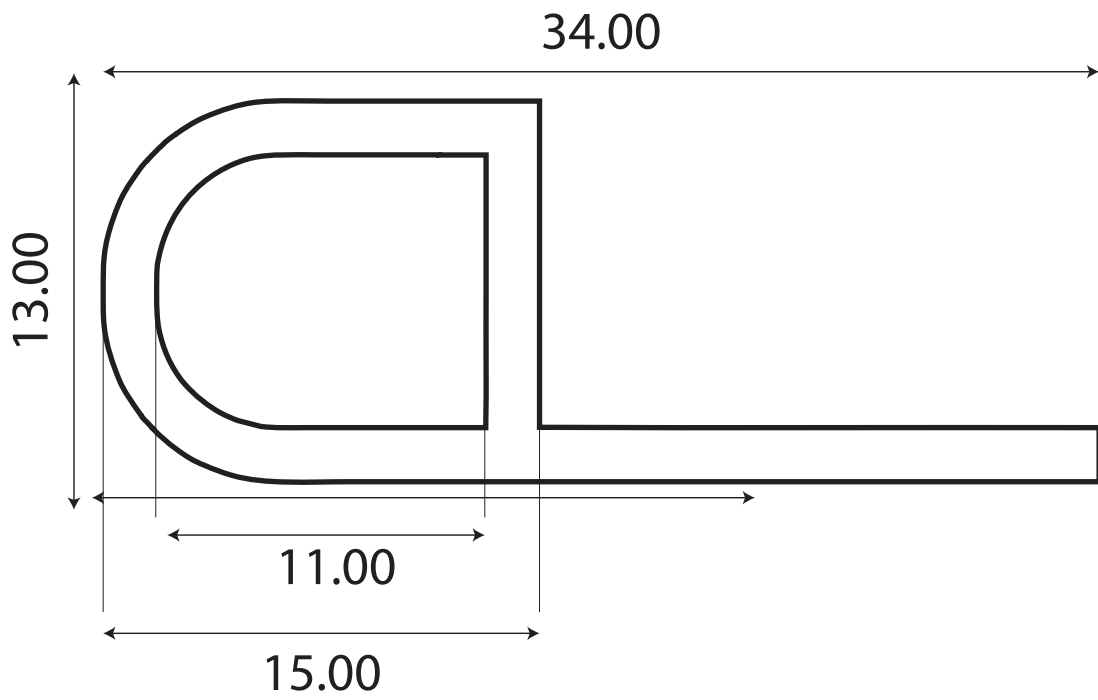
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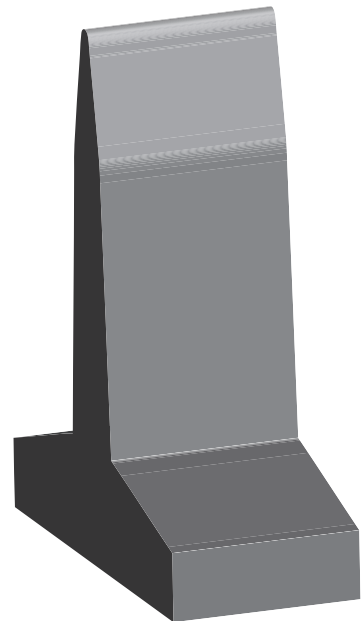
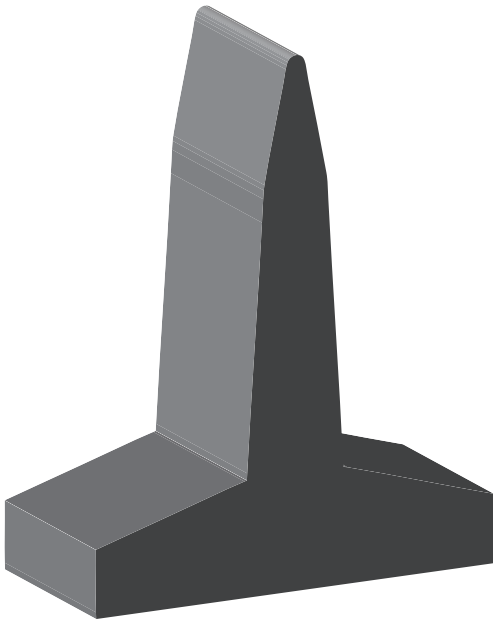
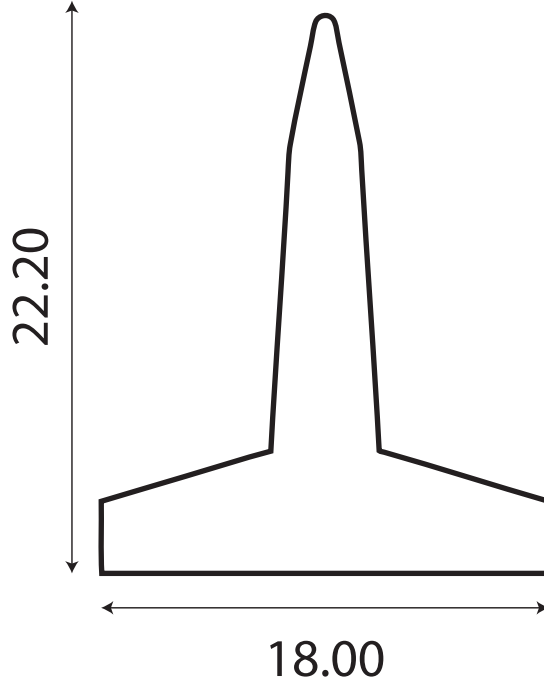
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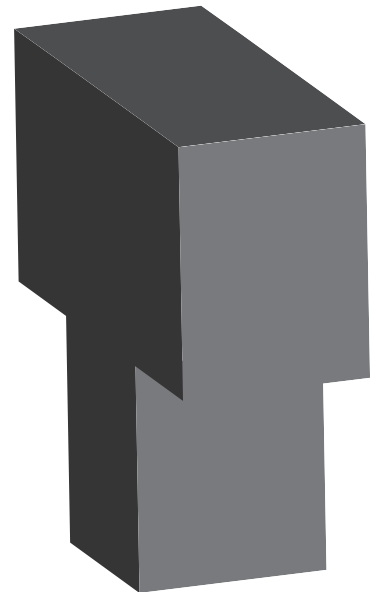
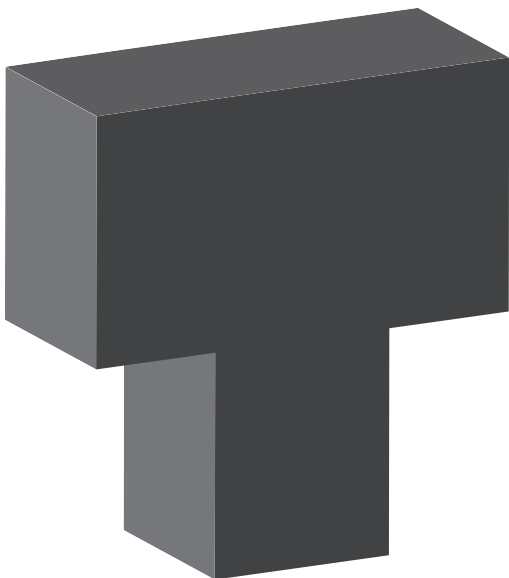
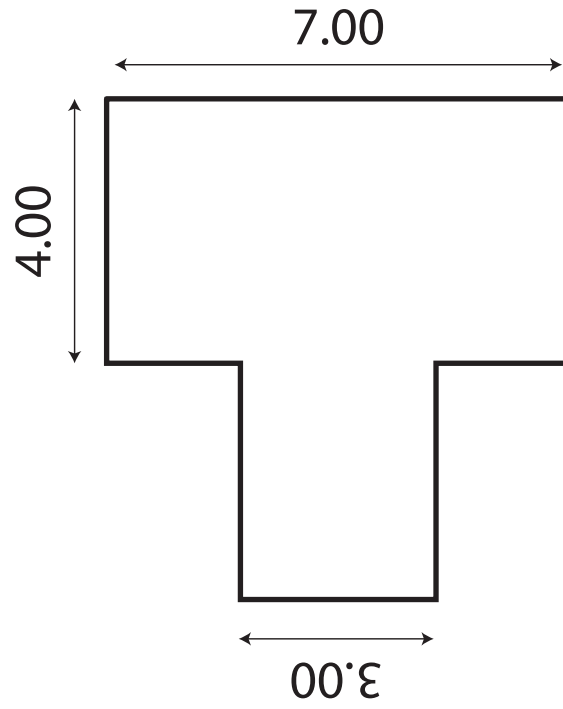
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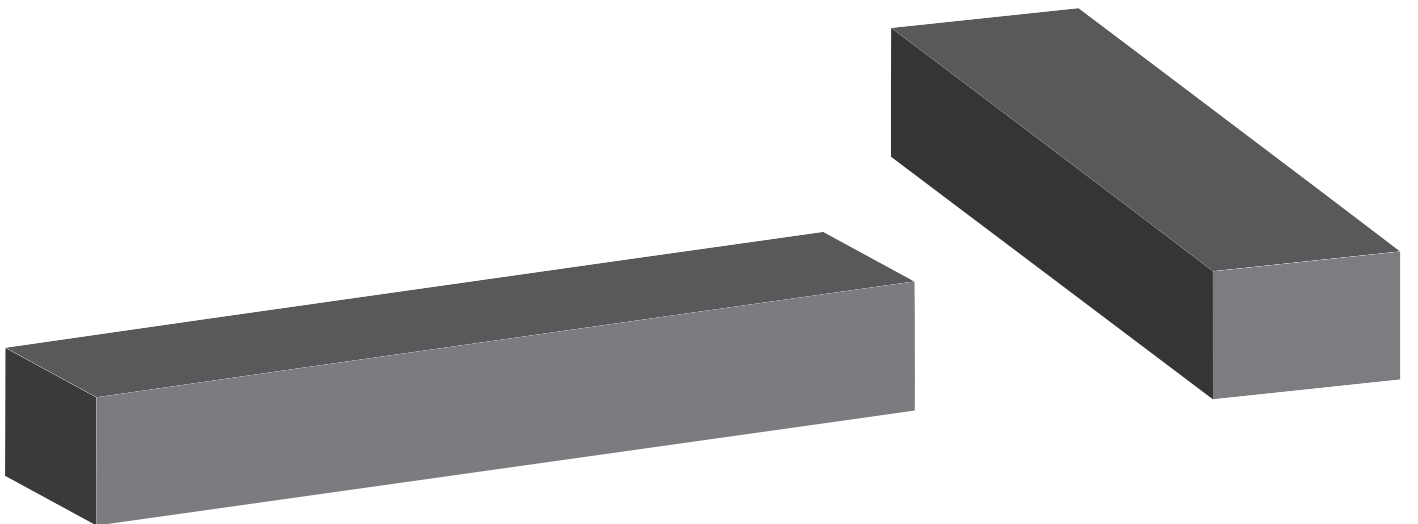
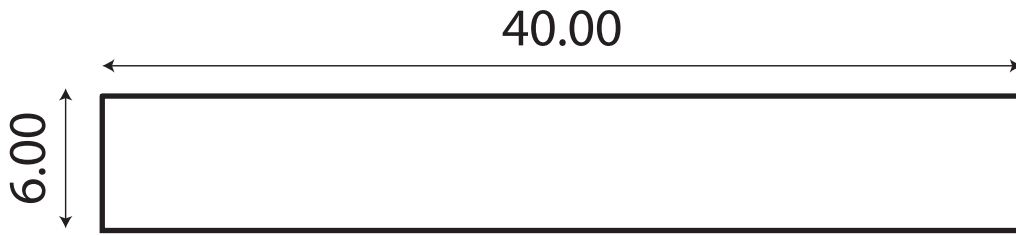
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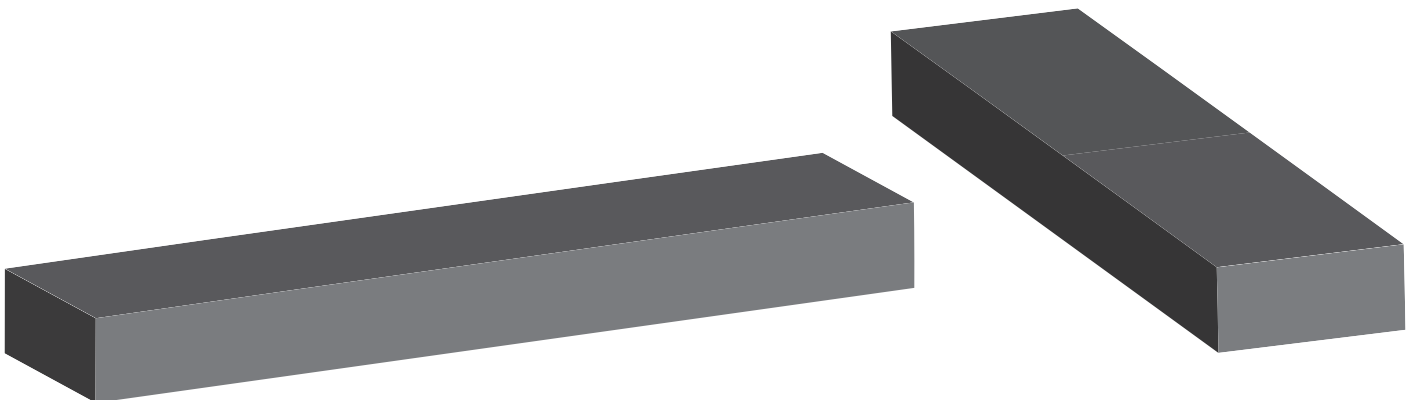
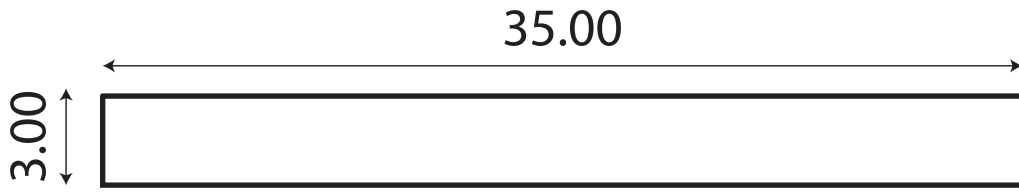
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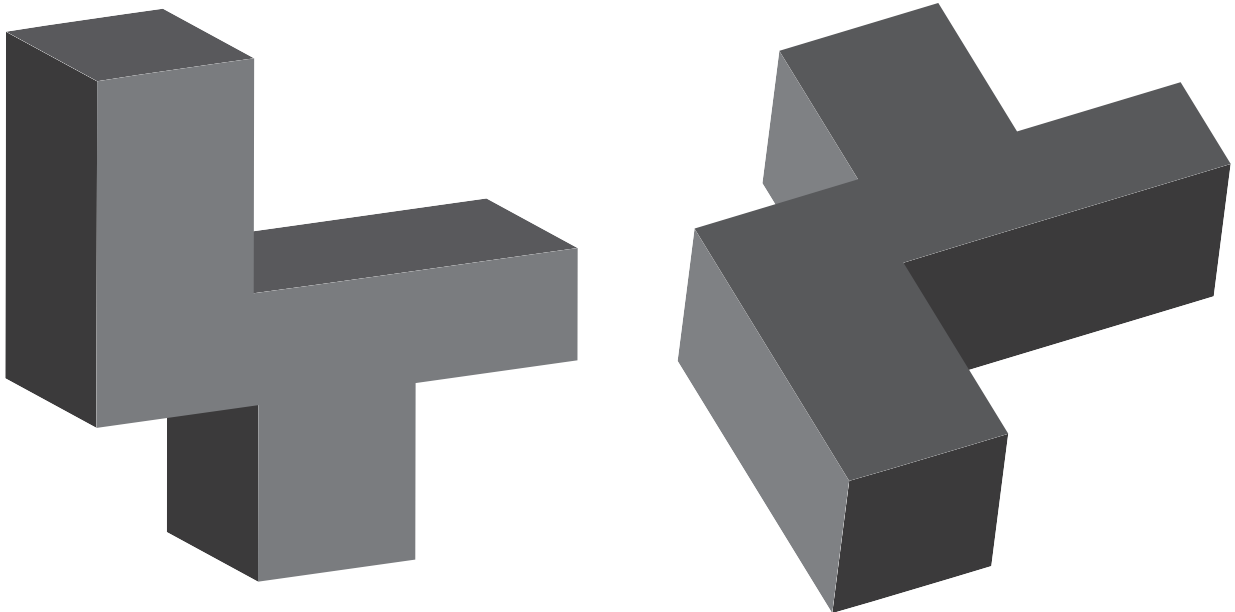
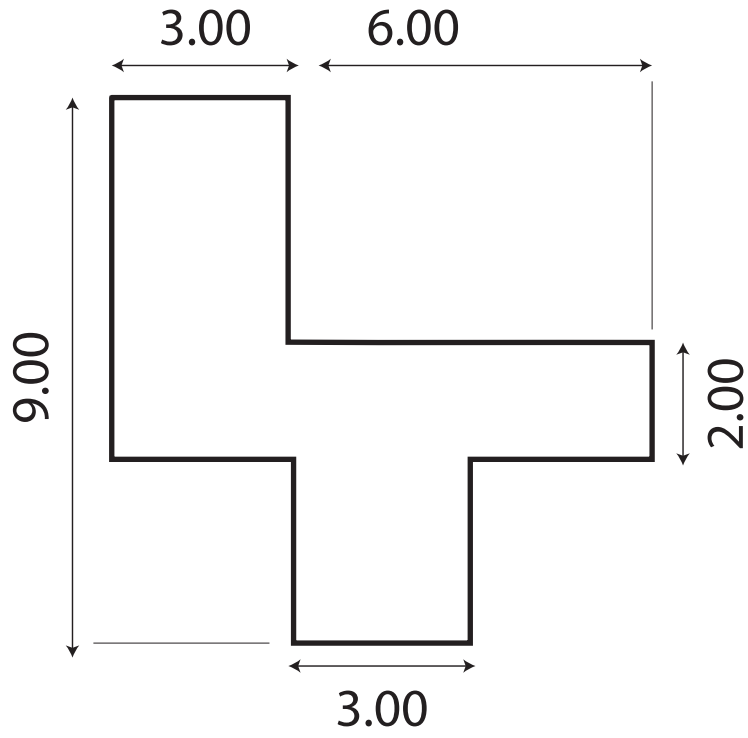
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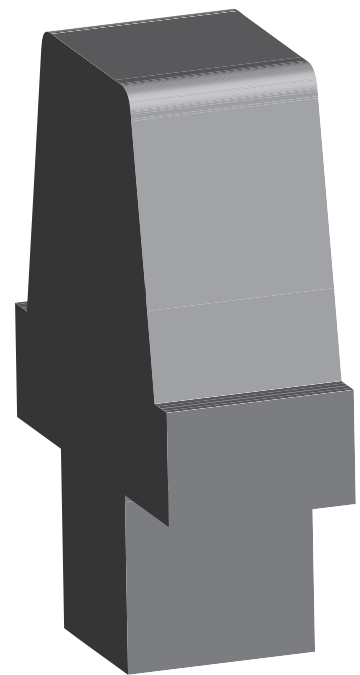
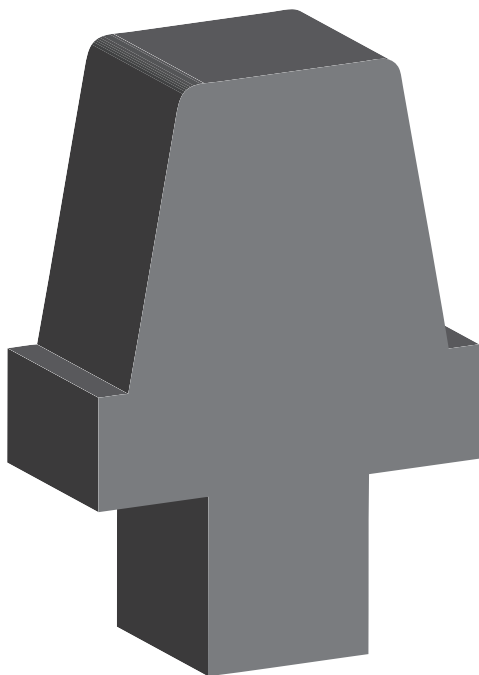
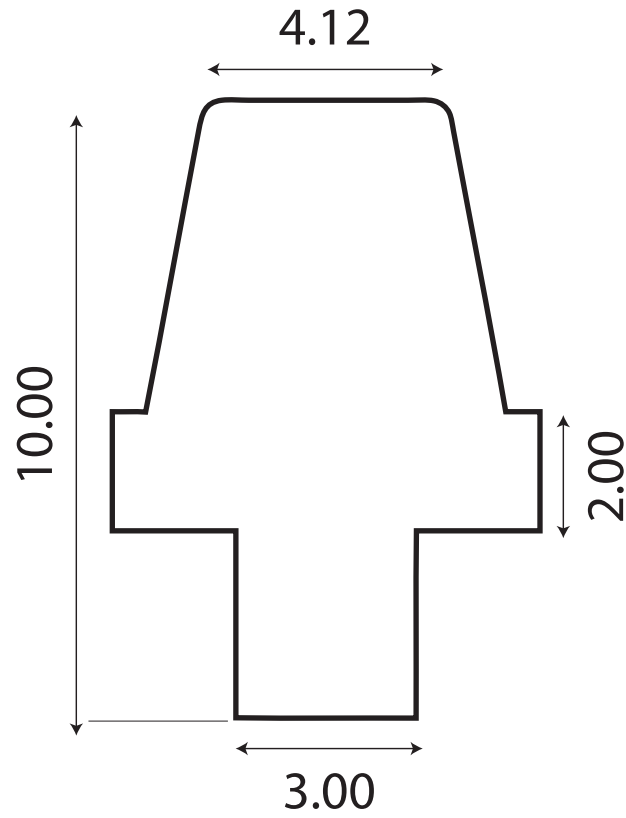
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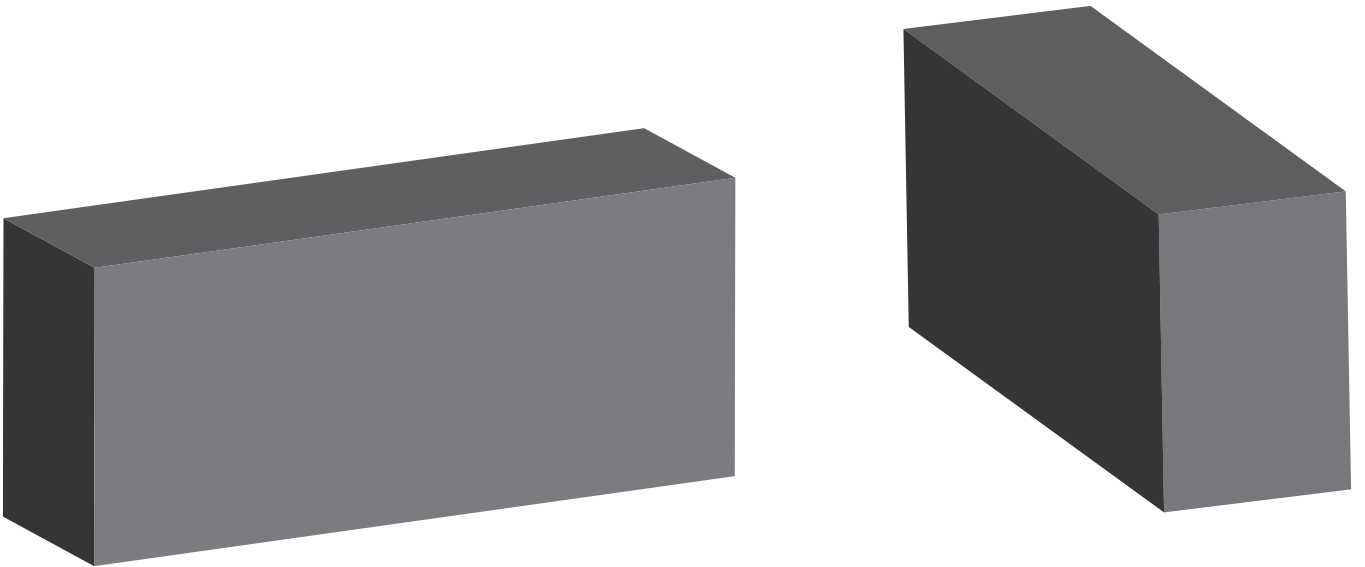
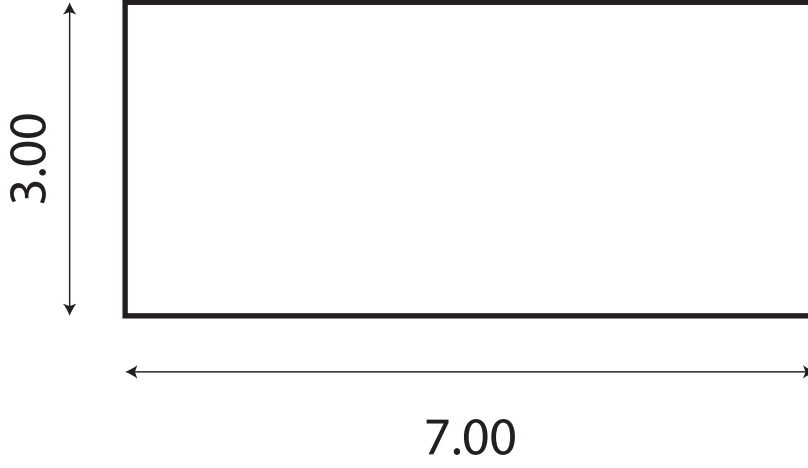
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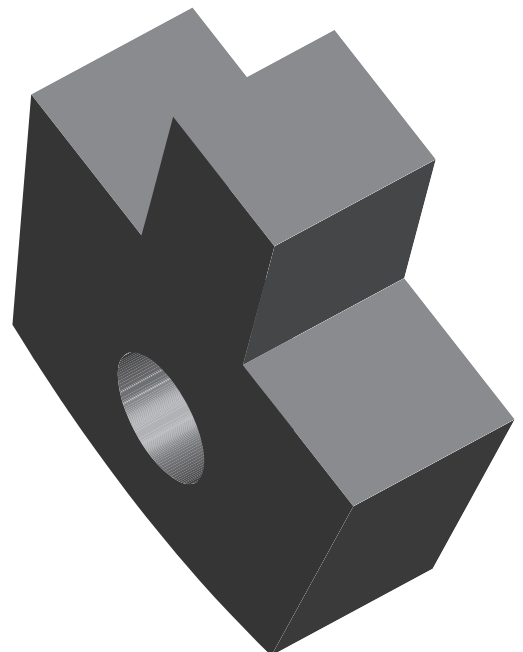
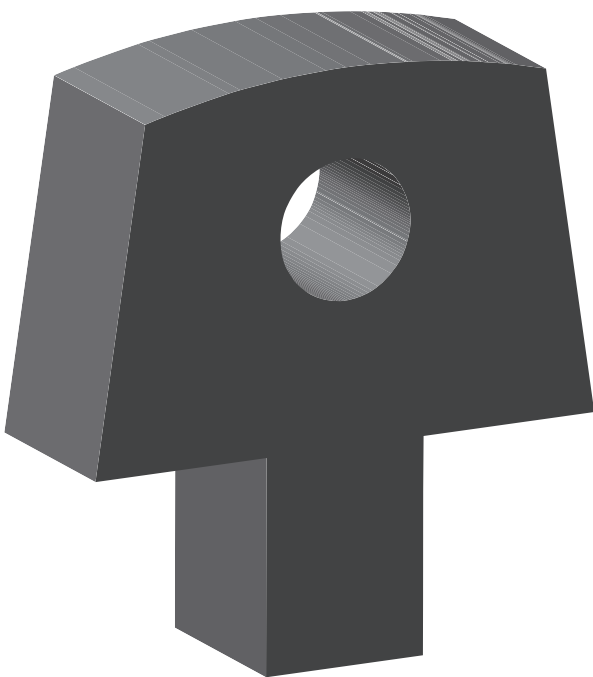
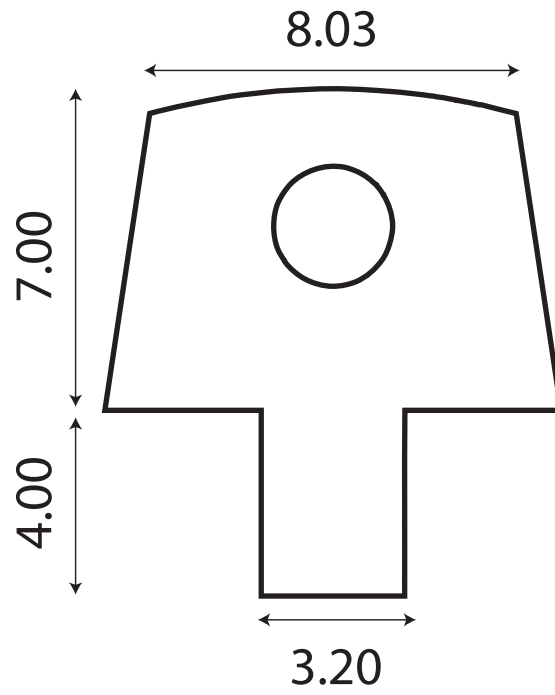
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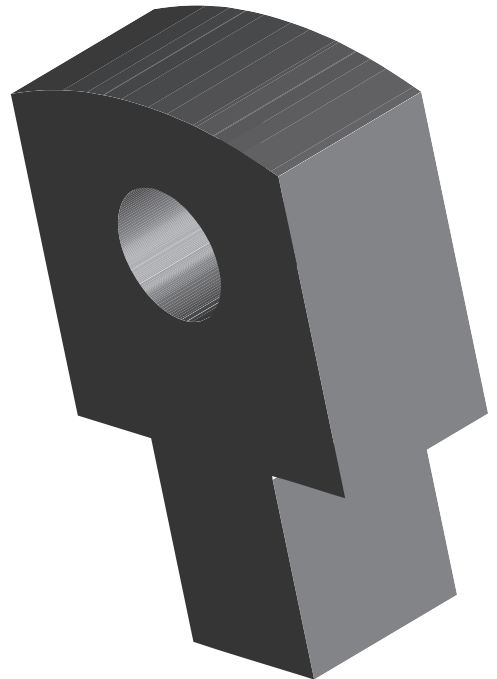
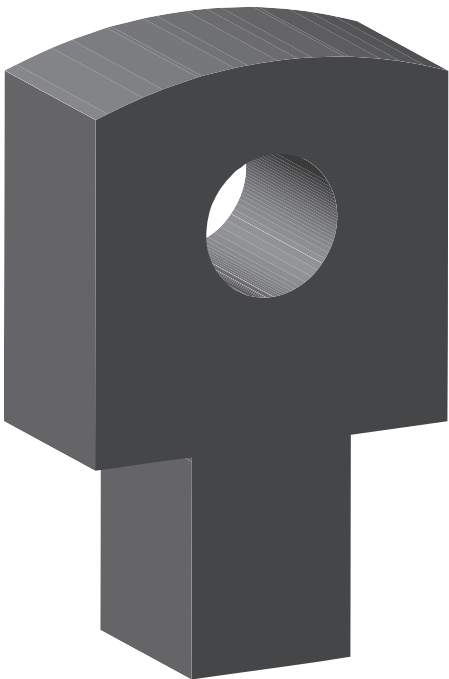
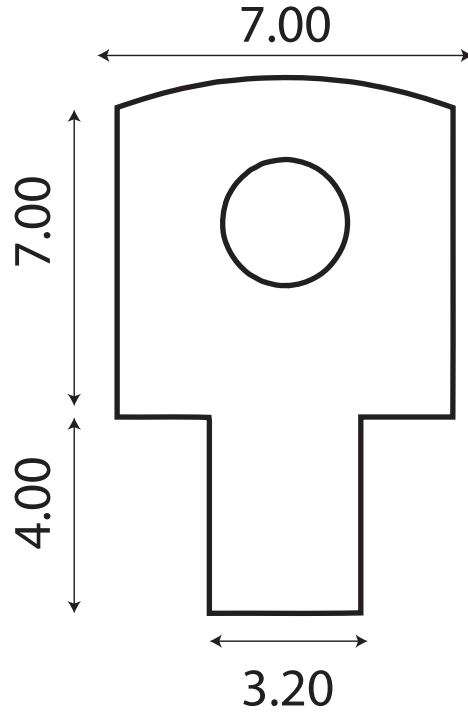
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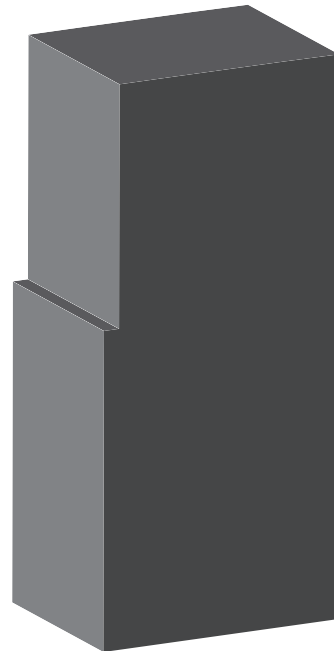
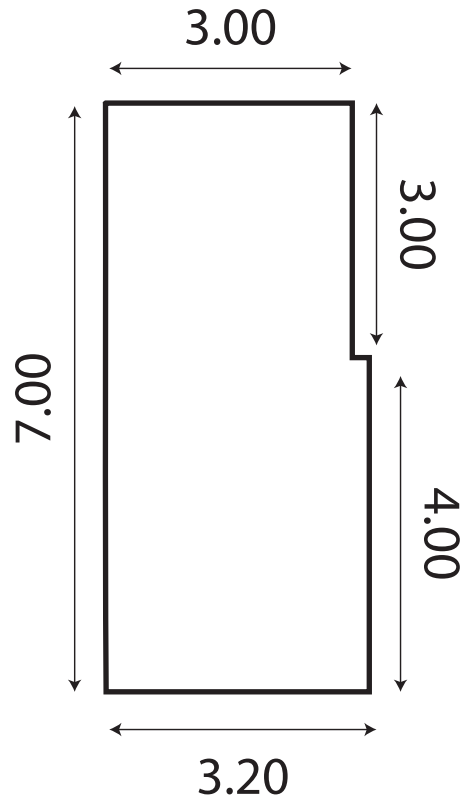
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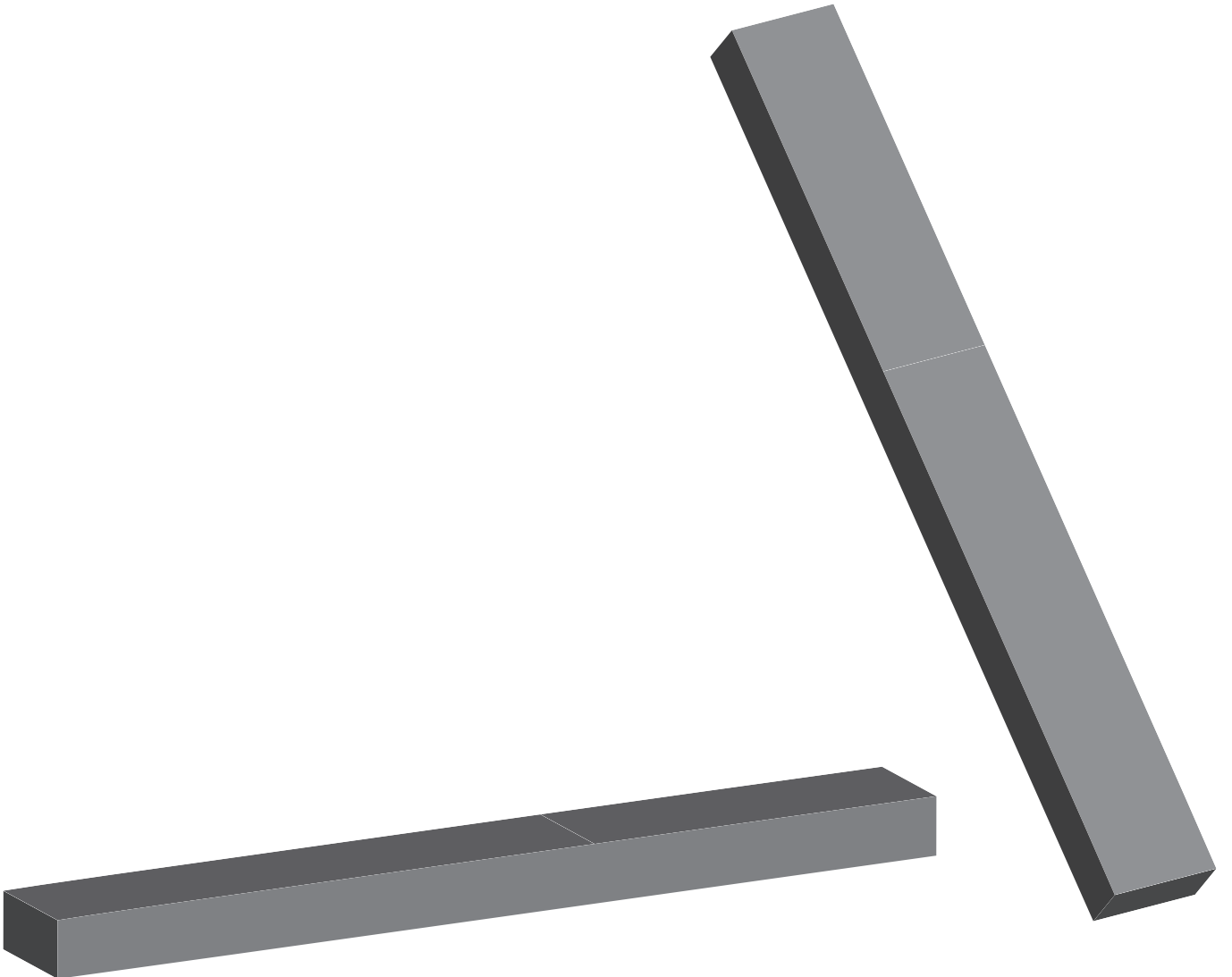
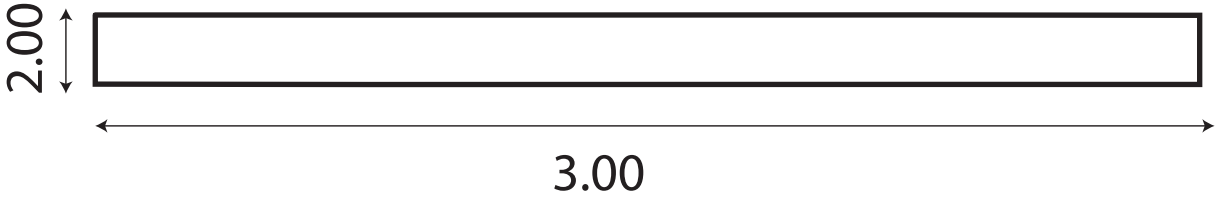
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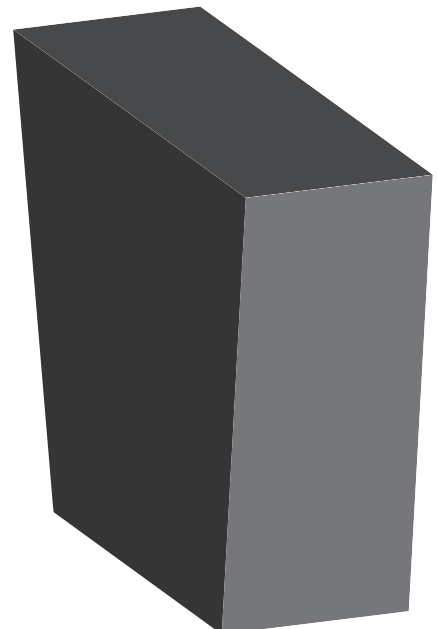
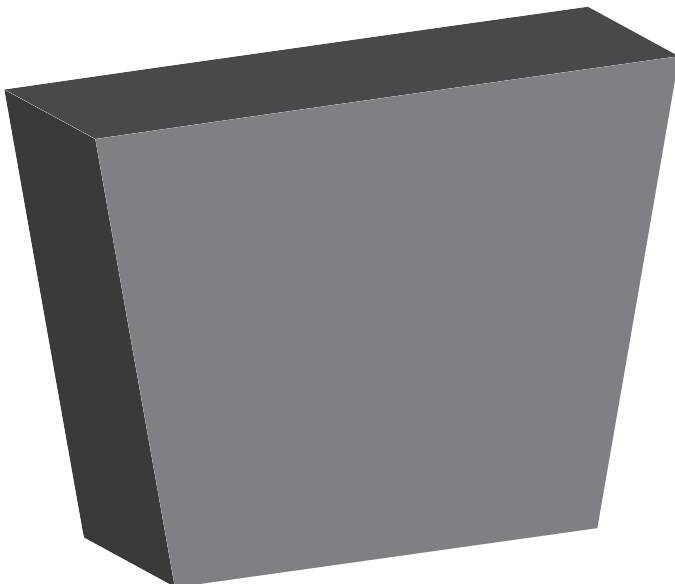
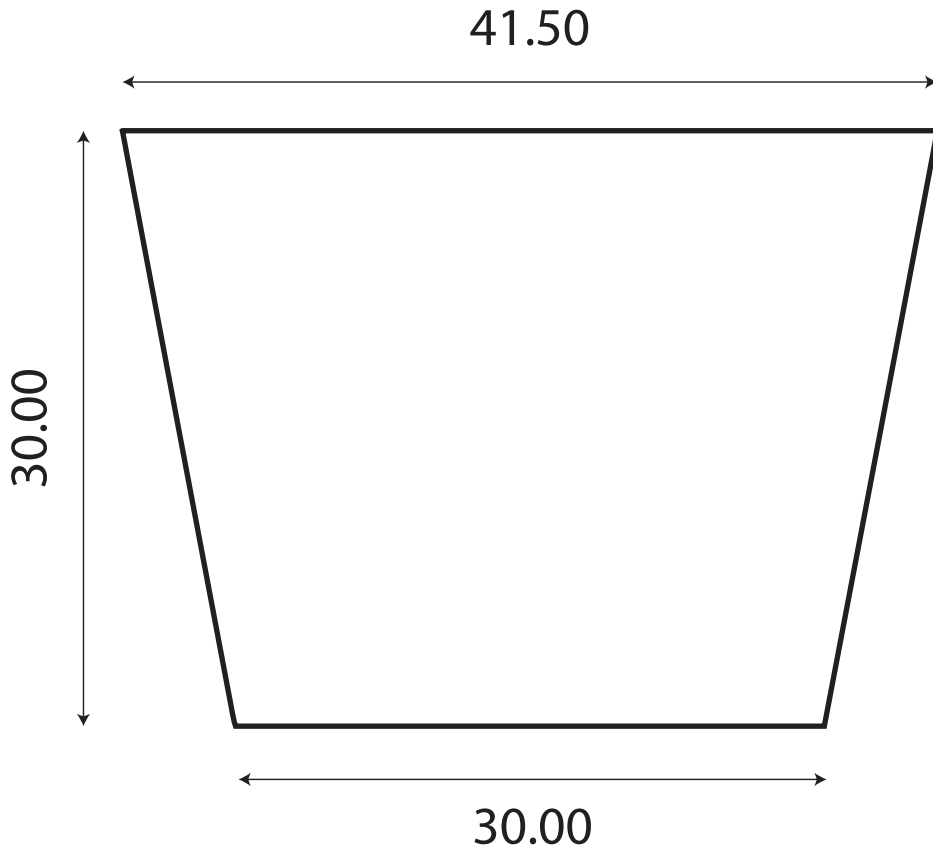
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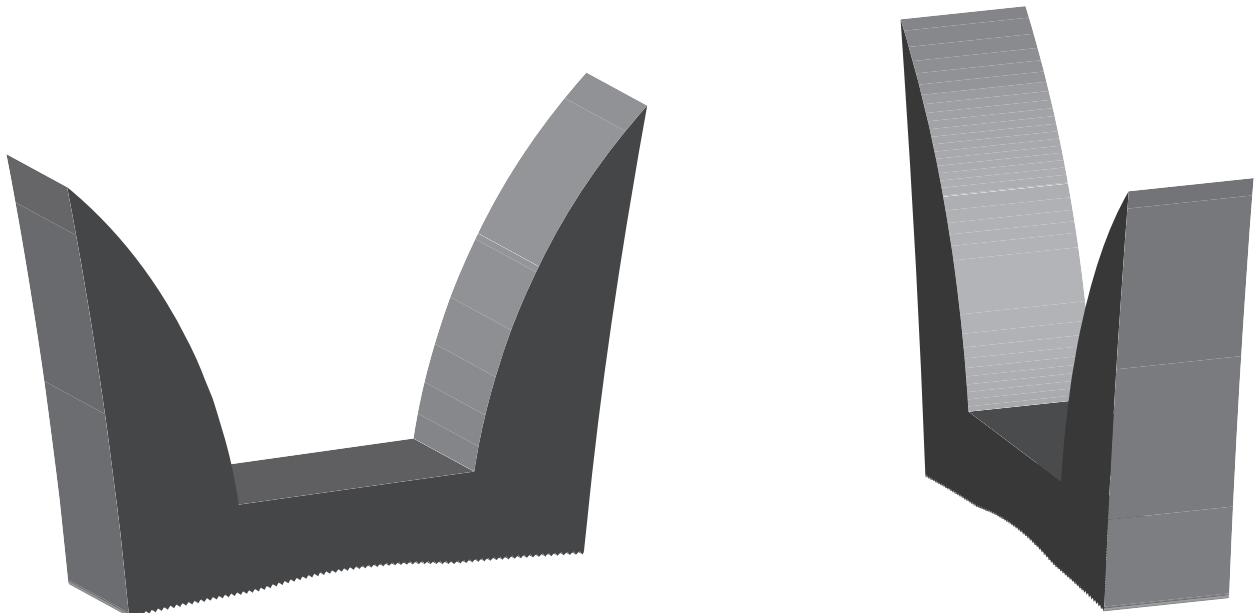
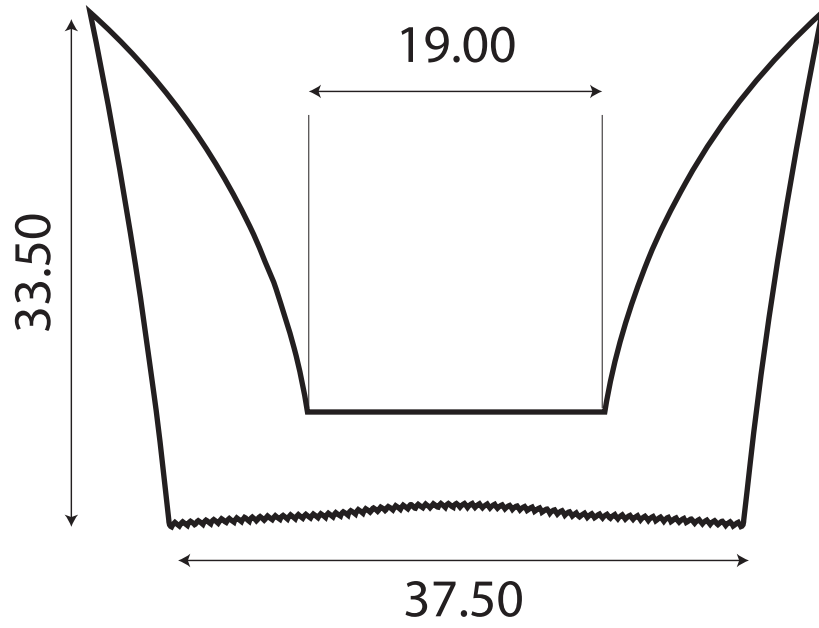
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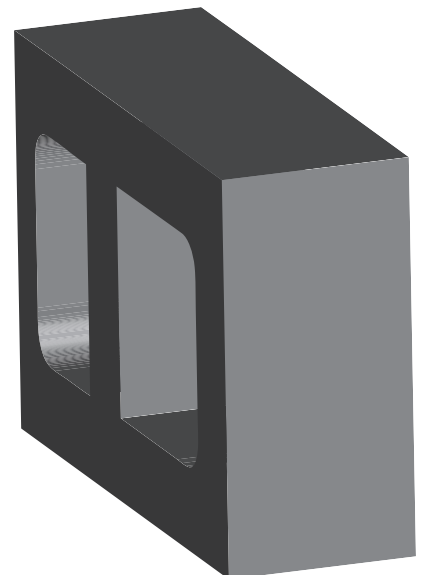
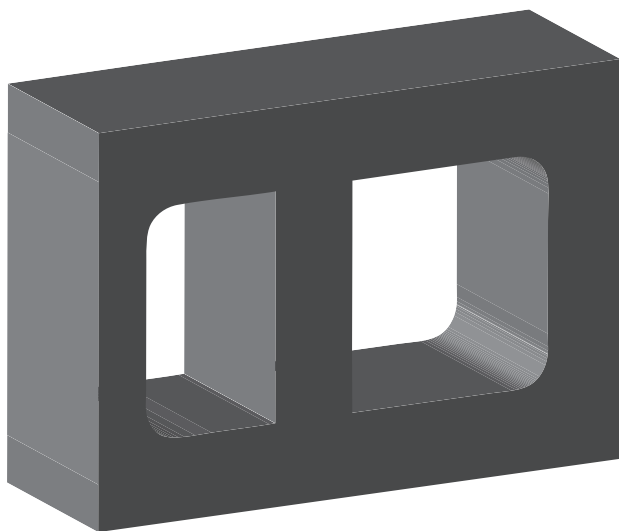
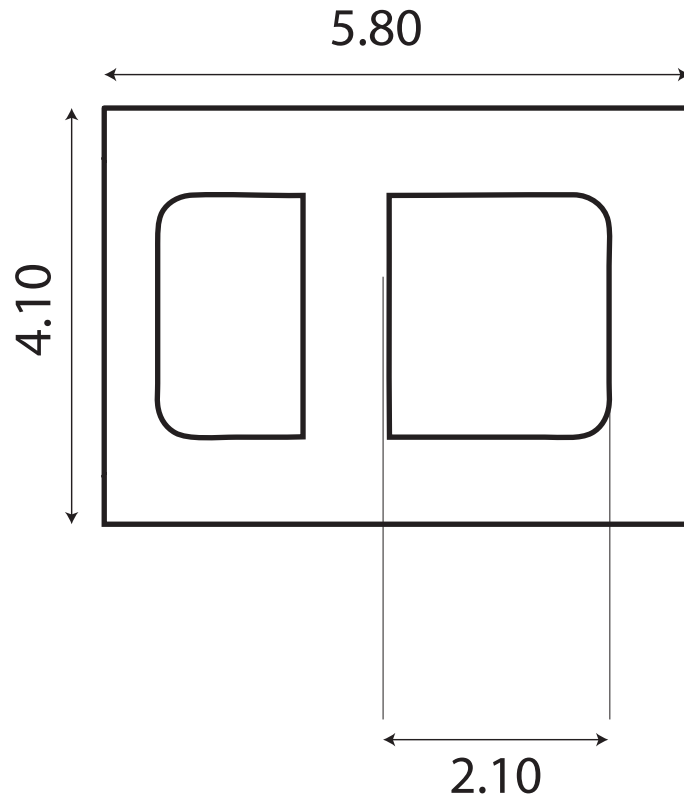
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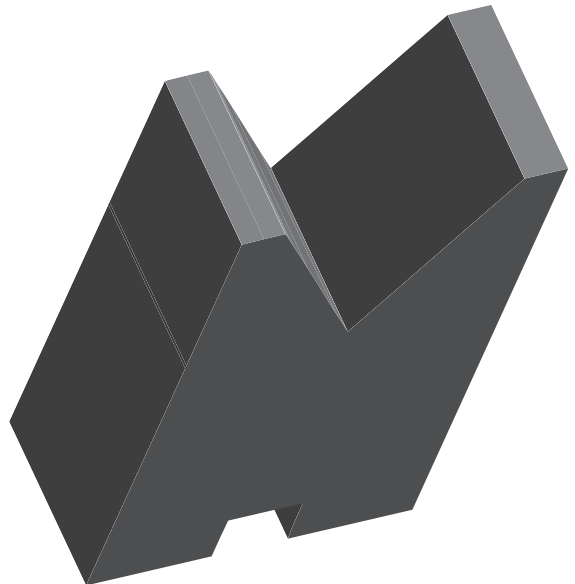
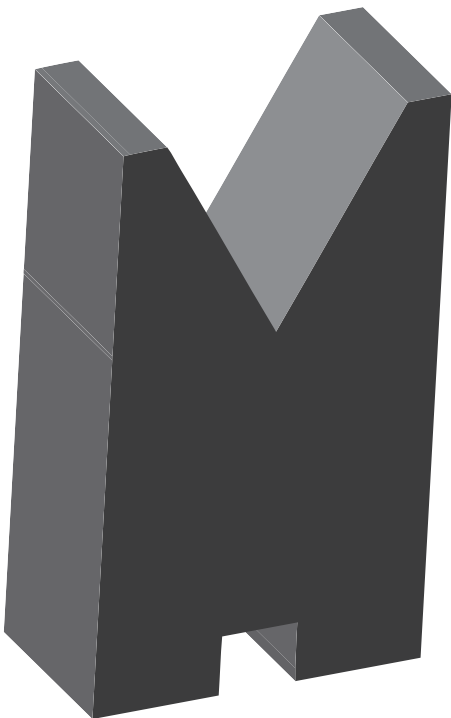
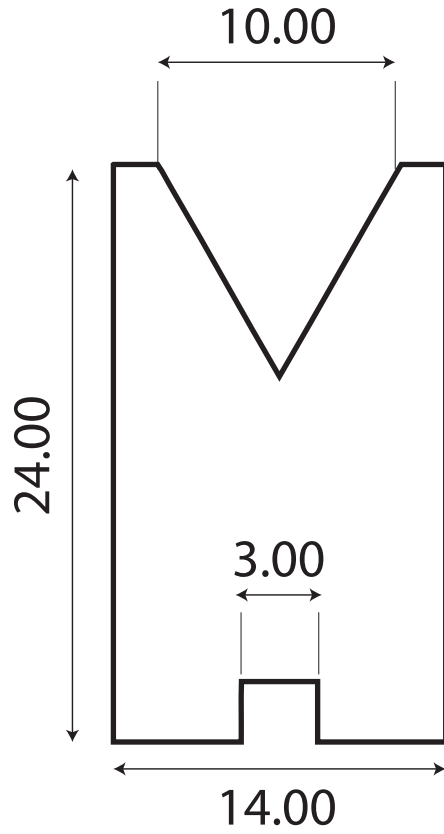
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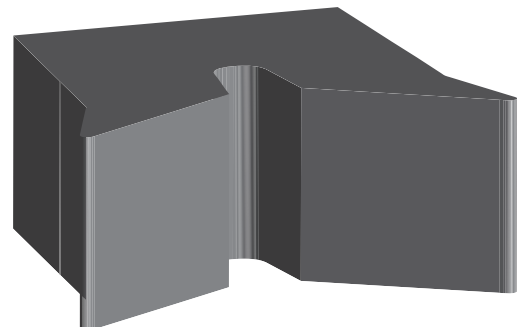
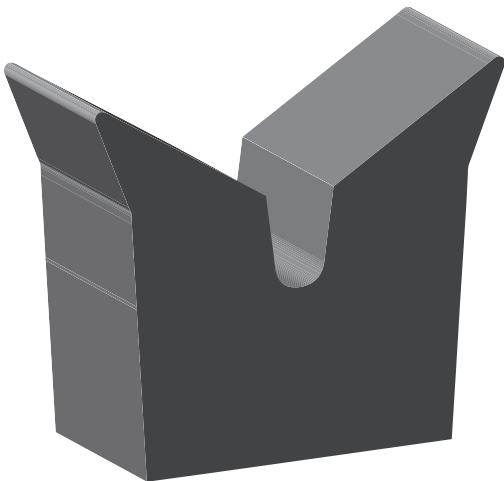
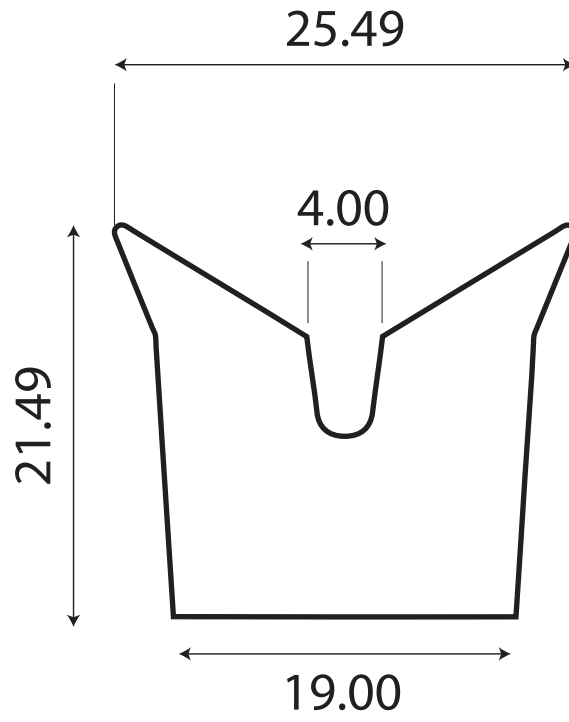
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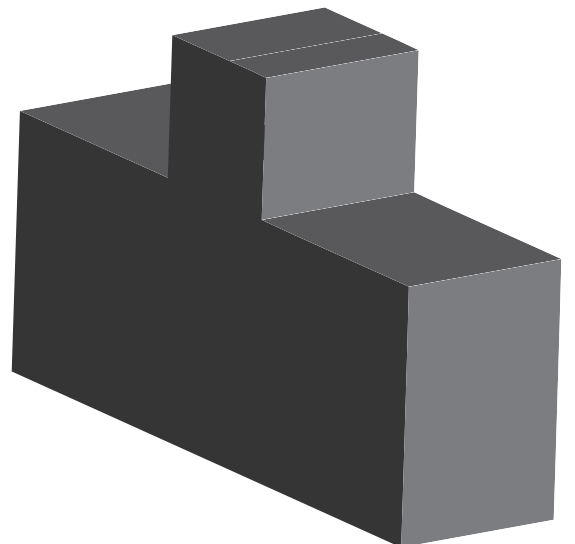
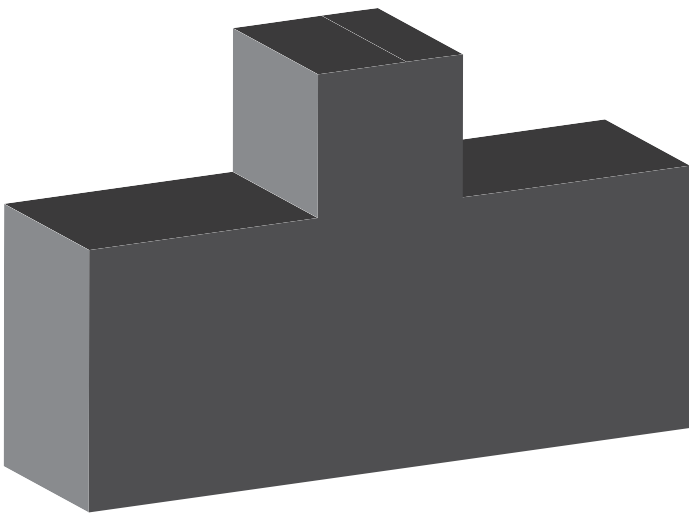
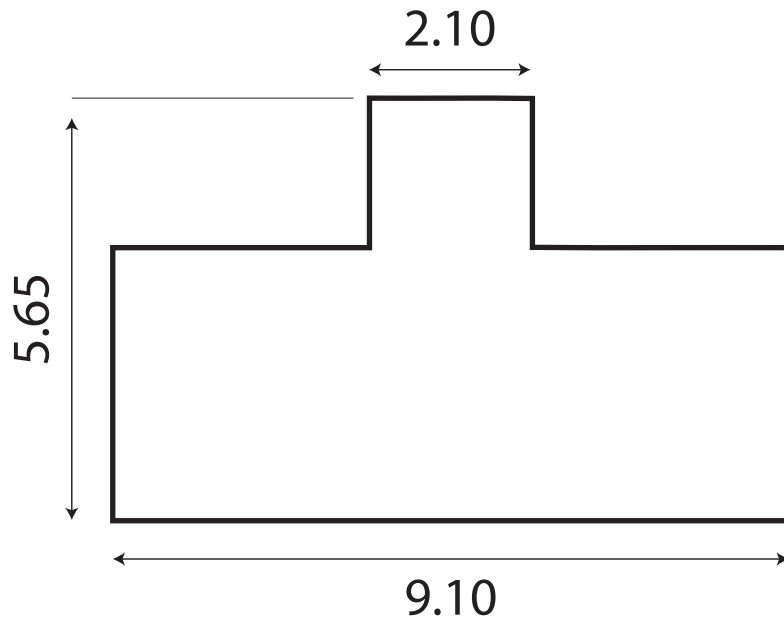
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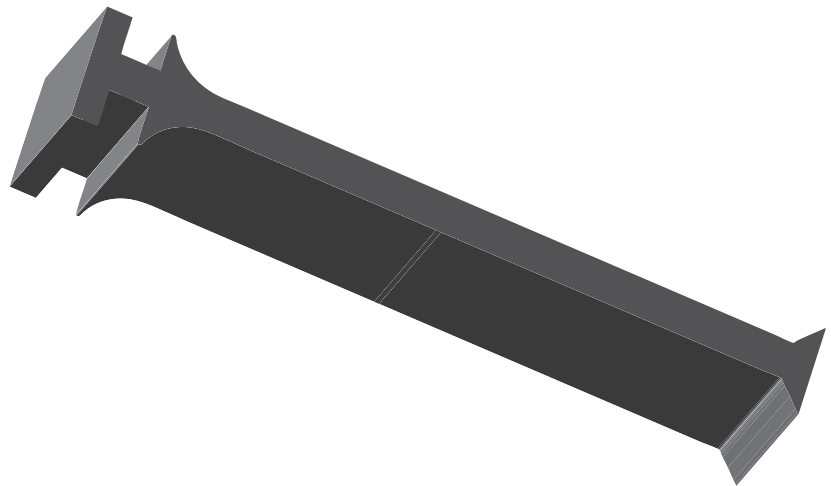
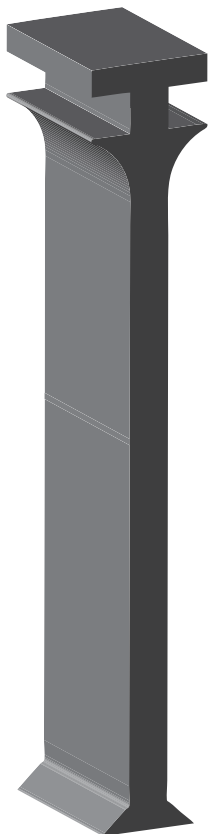
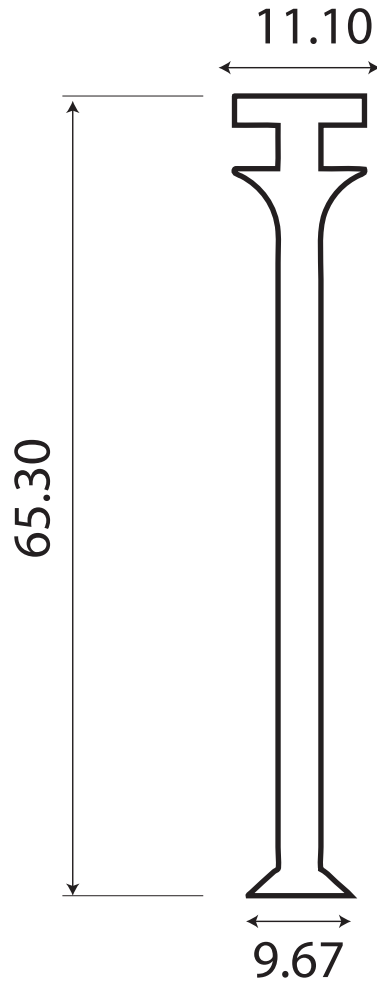
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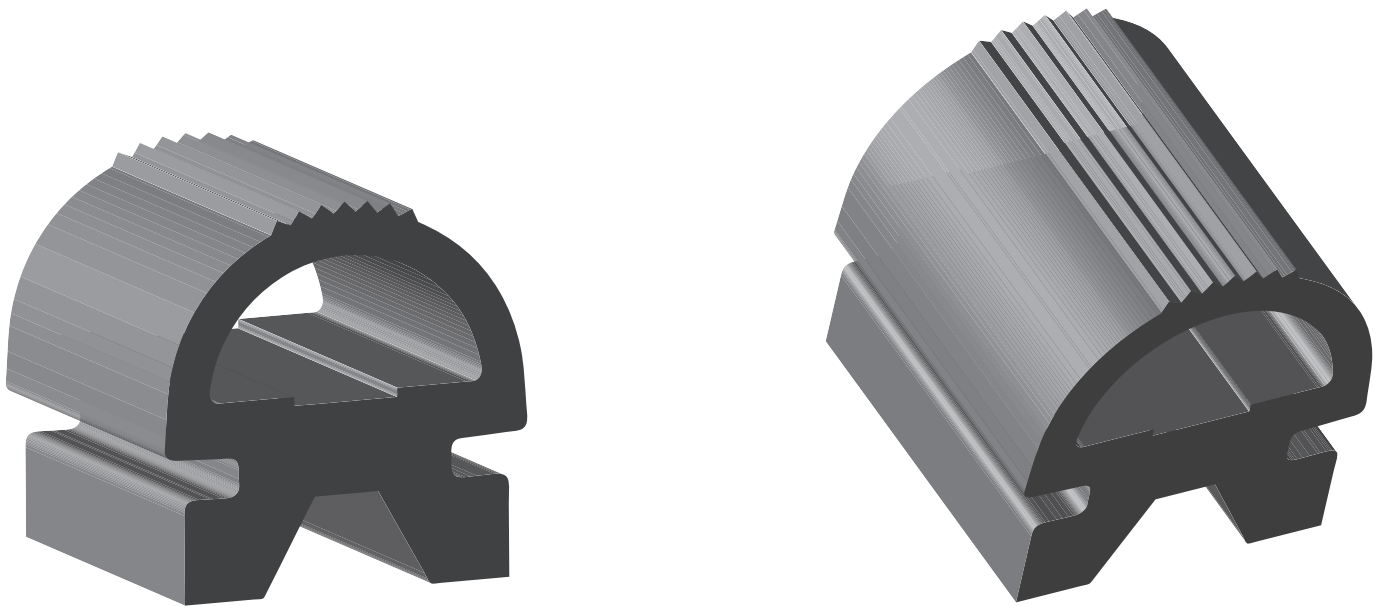
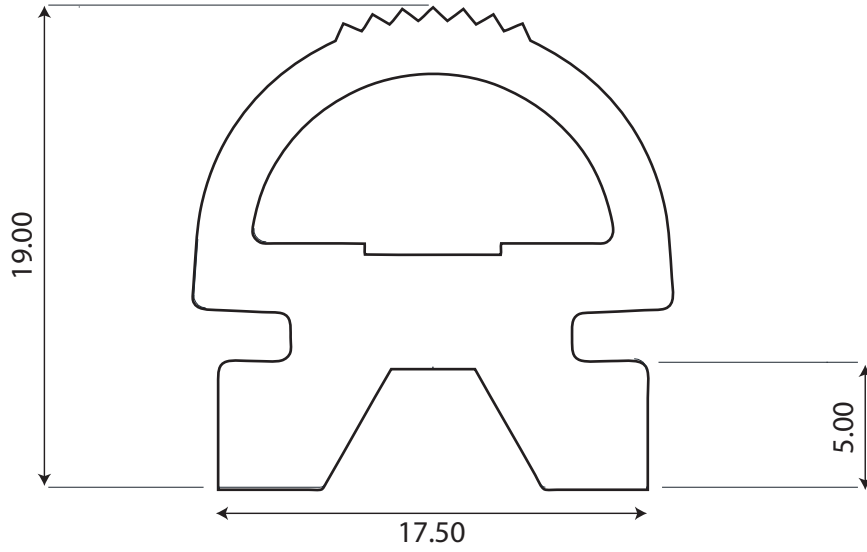
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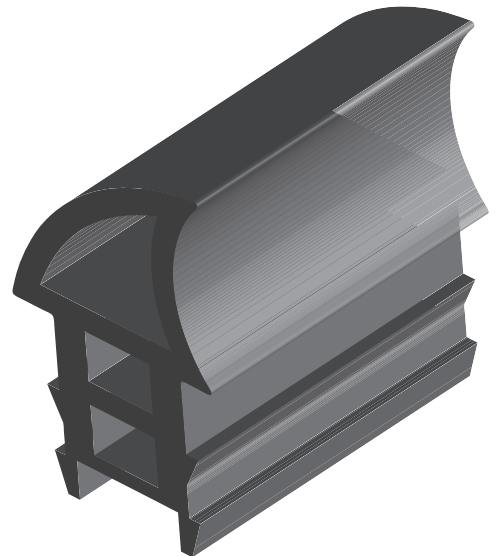
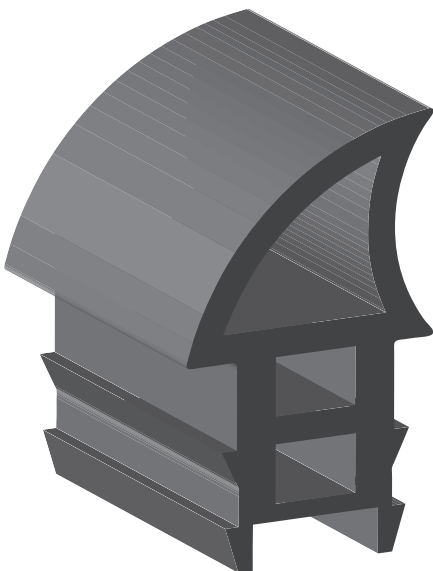
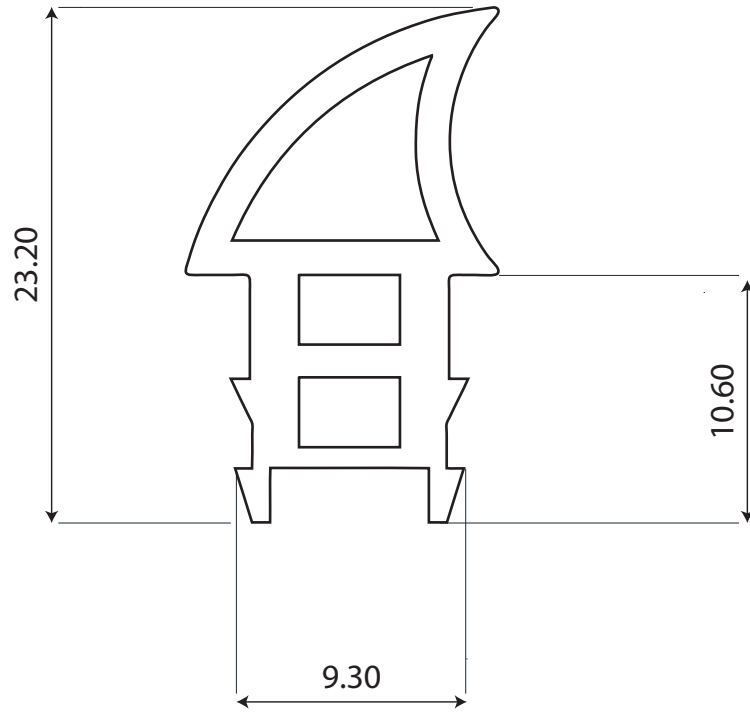
KC096



KC100



KC101



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