

Registered office:

Caleb Components Limited,
Block 6 Grazebrook Industrial Park
Peartree Lane Dudley
West Midlands, DY2 0XW
UK

Tel: 0044 (0)1384 453955

Fax: 0044 (0)1384 257423

Email: sales@calebcomponents.com

Web: www.springfasteners.co.uk

Vat Number: GB813142274

Comp. Registration Number: 4647684



Est. 2003

ISO 9001:2015 Approved

Special Materials and Finishes

Caleb Components offers a wide range of products in a variety of special materials and finishes.

MATERIALS

Stainless Steel 316 (A4) Grade

We can offer Circlips, Spring Tension Pins and some sizes of Split Cotter Pins in this grade of Stainless Steel. This material is non-magnetic, has excellent anti-corrosive properties and is widely used in chemical construction, aerospace, sub-sea and automotive applications

Beryllium Copper (CuBe2)

We can supply Circlips, Disc Spring (Belleville) Washers, Shim Washers and Spring Tension Pins in Beryllium Copper. Components manufactured in this material offer anti-magnetic and corrosion resistant qualities. It is also a good material where electrical conductivity is required and works well in extremely low temperatures.

Phosphor Bronze

A popular use for this material is in the manufacturing of Circlips and Split Cotter Pins. This material is anti-magnetic and shares a lot of similarities as Beryllium Copper.

Inconel 718 / X750

This material is a high ductile alloy which offers excellent properties particularly in the use of Disc Springs (Belleville) Washers. It can be used in very low & high temperature applications, and is anti-magnetic as well as offering very good anti-corrosive properties.

Titanium

We can offer certain products in Titanium materials, such as Circlips & E Clips etc. The advantage of using this material is in the fact that it is very light, extremely strong and has excellent anti-corrosive properties.

FINISHES

Electro-Zinc Plate (De-embrittle)

We can offer Split Cotter Pins, Circlips, Spring Tension Pins and Shim Washers in this particular finish. This is a basic plating method and offers average anti-corrosive resistance. For example, a 5 micron thickness will offer 24 hours of salt spray resistance (clear passivated).

Mechanical Zinc Plate

This finish is can be used in many applications but is widely used on Disc Spring (Belleville) Washers as there are no risks of hydrogen de-embrittlement. A 6 micron finish will offer 24 hours of salt spray resistance (clear passivated).

Delta-Tone

This excellent plating can offer in excess of 480 hours of salt spray resistance and is commonly used in subsea applications where a high anti-corrosive resistance plating is required.

Phosphate & Oil

This is a common plating already applied as standard to some of our products such as Disc Springs (Belleville) Washers and Circlips. This plating is ideal for indoor use only and offers a good shelf life for products without rusting.

If you would like further information, or require a quotation for products in the above mentioned materials or finishes, please get in touch.