

ZEGOTA

Profiled Section Wire

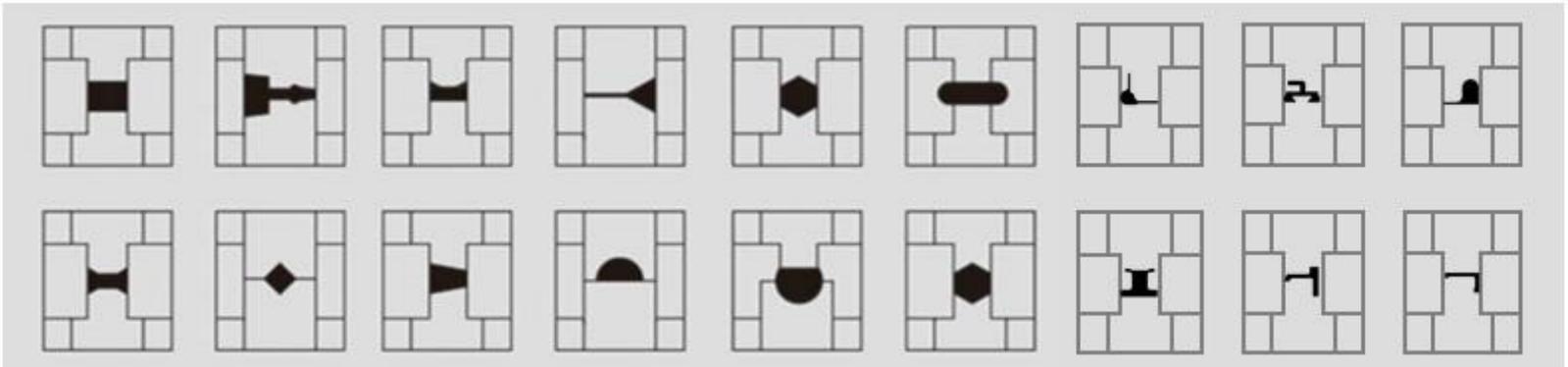


Zhejiang Zegota Precision Technology Co.,Ltd.

Profiled Wire

High precision, High strength, Customized

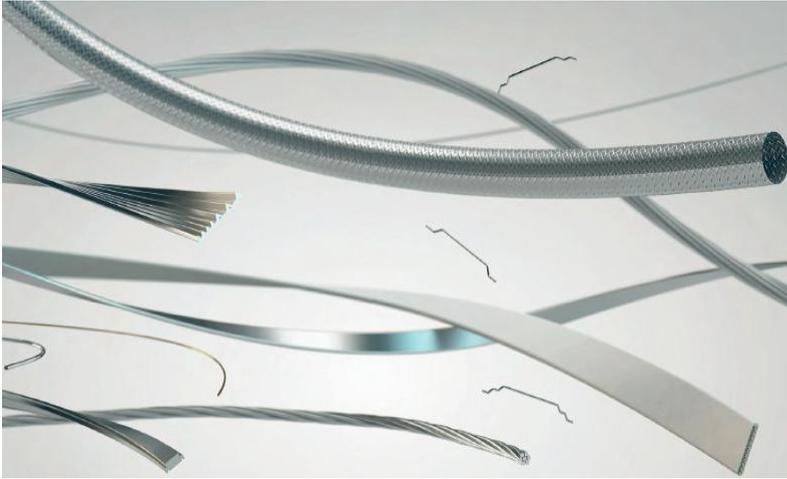
Special-shaped steel wire refers to non-circular steel wire with cross-section. Common cross-section shapes of special-shaped steel wire are square, hexagonal, octagonal, triangular, flat, trapezoidal, semi-circular, Z-shaped, etc. This kind of steel wire has precise cross-section shape, high dimensional accuracy, smooth surface and high yield. It is an ideal raw material for manufacturing some precision parts. Special-shaped steel wire can be used as raw materials for spring steel, carbon structural steel, carbon tool steel, alloy structural steel, alloy tool steel, bearing steel and stainless steel wire rods. Compared with the round steel wire of the same kind, the specialty of producing special-shaped steel wire is mainly manifested in the forming process. The forming of special-shaped steel wire is generally divided into two stages: first, the wire rod is drawn into a circular section billet with a certain diameter, and then the circular section billet is processed into special-shaped steel wire. It has excellent mechanical properties, such as high strength, high toughness, low relaxation, corrosion resistance, fatigue resistance, wear resistance and so on.



Material	Steel Grade	Remark
300 Series Stainless Steel	SUS301 , SUS302 , SUS303 , SUS303Cu , SUS304 , SUS304L , SUS305 , SUS310S , SUS316 , SUS316L , SUS321	Austenitic stainless steel
400 Series Stainless Steel	SUS430	Ferritic stainless steel
	SUS410 , SUS416 , SUS420J2 , SUS431	Martensitic stainless steel
Carbonic body	AISI 1006 , AISI 1008 , AISI 1010 , AISI 1015 , AISI 1045 , S15C , S10C , S45C , SWRH 57A/B , SWRH 62A/B , SWRH 82A/B	
Alloy Steel	SCM415 , SCM435 , SUP7 , SUP10 , AISI 6150 , AISI 8620 , SNCM220 , AISI E52100 , SUJ2	
Free cutting steel	SUM24L , AISI 12L14	
Titanium and Titanium Alloys	TB304H , Ti-6Al-4V , Ti-15V-3Cr-3Sn-3Al , Ti-4Al-22V , Ti-3Al-2.5V , Ti-3Al-2.5V	
Copper & copper alloys	C 1020 , C 1100 , C 2700 , C 5191 , C 7521	

PROFILED WIRE

Our Advantages



- Section shape can be customized according to customer needs.
- Replaced traditional material removal processing to make complex section shape.
- Simple and efficient processing technology and procedure.
- Reduce material loss and improve production efficiency
- Reducing production cost and improving material strength
- It can achieve extremely high shape and dimension accuracy. ($\pm 0.005\text{mm}$)
- Smooth, Clean and Bright metal material surface

Typical rolling process

