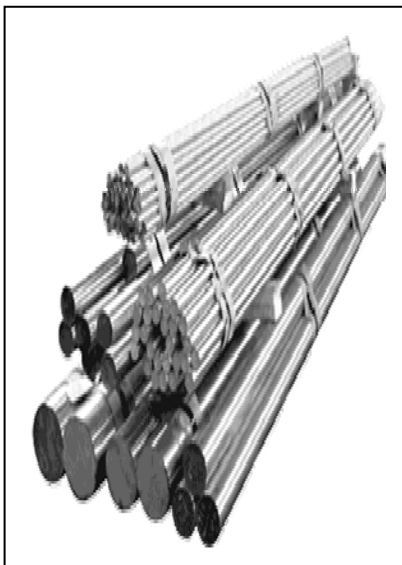


Kalva Engineers Pvt Ltd is an ISO 9001 Certified company operating for over a decade now. The company has to its credit the record of earlier supplies, the following grades and types of materials for precision oriented Missile and space applications.

1. Carbon & Alloy Steel materials in different forms like Forged Rods, Plates, Sheets and Tubes.
2. ESR Grade material developed to customer specifications
3. Tungsten Rods, tubes and plates of different sizes
4. Titanium alloy grade materials in the form of plates and tubes
5. PH Steels in the form of rods and plates
6. 9 RU 10 Y Sandvik Grade special steel coils and strips
7. 4130 and 4340 grade steels in plates and other forms as required by customer/s
8. Maraging Steel rods, plates, sheets and rings of different dimensions suiting to customer needs
9. Maraging steel FLOW FORM TUBES to different sizes

### **17-4PH STAINLESS STEEL**



17-4 Precipitation hardening also known as Type 630 is a chromium-copper precipitation hardening stainless steel used for applications requiring high strength and a moderate level of corrosion resistance. High strength is maintained to approximately 600 degrees Fahrenheit (316 degrees Celsius).

### **15-5 STAINLESS STEEL**

Stainless steel type 15-5 is known for being tough and ductile with good strength. The corrosion resistance of 15-5 Stainless Steel is similar to that of stainless steel type 304. It is most often used for applications in high pressure corrosive environments and for aircraft components. Hot working with type 15-5 Stainless Steel is preferable to cold working but it does exhibit moderate formability in cold working.

### **ROUND BARS SAE 4340**



We can offer all kinds of hot forged steel round bars, such as : SAE-1045, 4140, 4340, 8620, 8640, H13, P20, etc.

1. Dia: 70mm-1500mm
2. Length: 3000mm-10000mm
3. Process: EAF+VD (ESR furnace for optional)
4. Delivery condition: Hot forged, Heat-treatment (Normalized / Annealed / Quenched / tempered), Rough machining
5. Technical Data: Chemical Composition, Physical Properties and Mechanical Testing according to the customer's requirement
6. Test: Ultrasonic test according to SEP 1921-84 G3 C/c

## TITANIUM ALLOY PRODUCTS



Titanium alloy products for the aerospace, medical, consumer, motor sports and recreation industries. Forms include bar, wire, fine wire, shapes and strip

## ALLOY STEEL BARS



## CARBON STEELS PRODUCTS



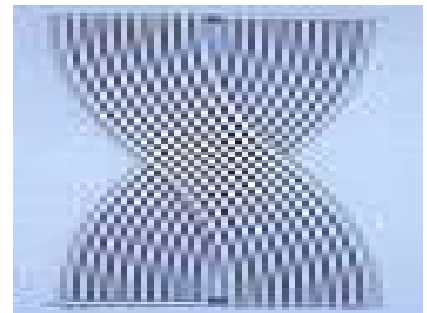
## NICKEL ALLOY TUBES



## ALUMINIUM ALLOY COILS



**FLOWFORM TUBES of various sizes**



**HIGH-STRENGTH**  
**STAINLESS STEELS – CUSTOM 465 & 455**

Custom 465 is available in bars, rods and plate forms



**Ti6Al4V Titanium Alloy** **Special characteristics**

Ti6Al4V is the most widely used titanium alloy. It features good machinability and excellent mechanical properties. The Ti6Al4V alloy offers the best all-round performance for a variety of high reduction applications in aerospace, automotive and marine equipment.

**9RU10**



**9RU10** is a precipitation-hardenable steel of type 17Cr/7Ni PH. Compared with the other spring wire grades 9RU10 has:

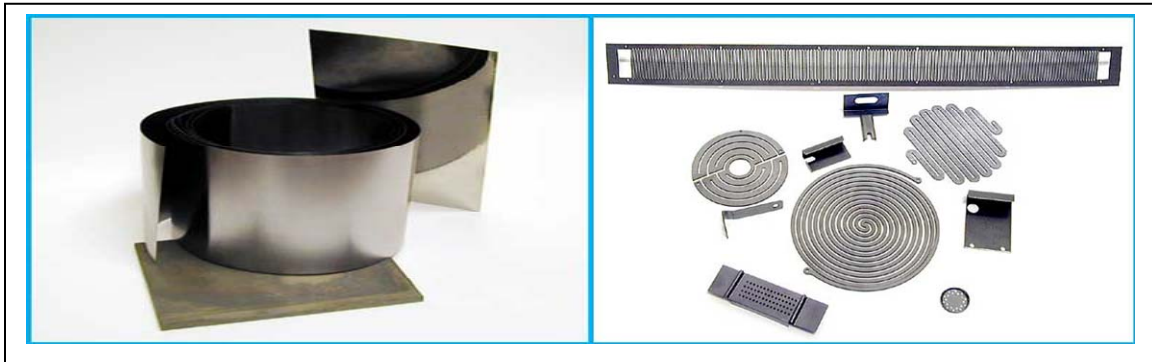
- the highest relaxation resistance at elevated temperatures
- the highest fatigue strength

Springs coiled from 9RU10 wire virtually retain their original form after tempering - for example, as loops and hooks, whereas springs made from conventional 18/8 steels generally suffer deformation, which has to be allowed for when coiling.

In addition to our previously listed products, we supply forged blocks from alloys ranging from aluminum to titanium. These forged blocks are perfect for those applications where a very complex design requires a multi-axis milling operation. For your specific forged block requirements or any other



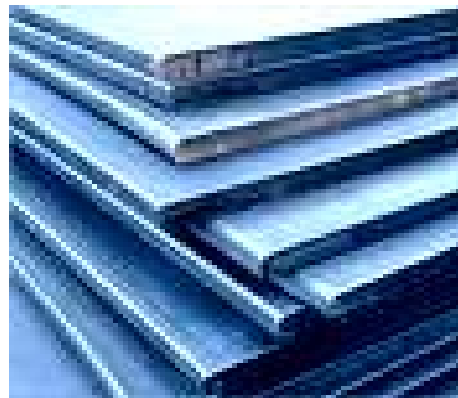
## **TUNGSTEN SHEET – PLATE – FOIL-RODS**



**Tungsten in all Forms, as required can be supplied including Fragments, powder etc including Copper & Molybdenum Impregnated alloy**

## **MARAGING STEEL**

**We have a variety of Maraging Steel alloy forms i.e Bars, Plates, Sheets, Tubes , Rings .**



## **Ring Forgings /Extrusions & Flow Form Tubes**

