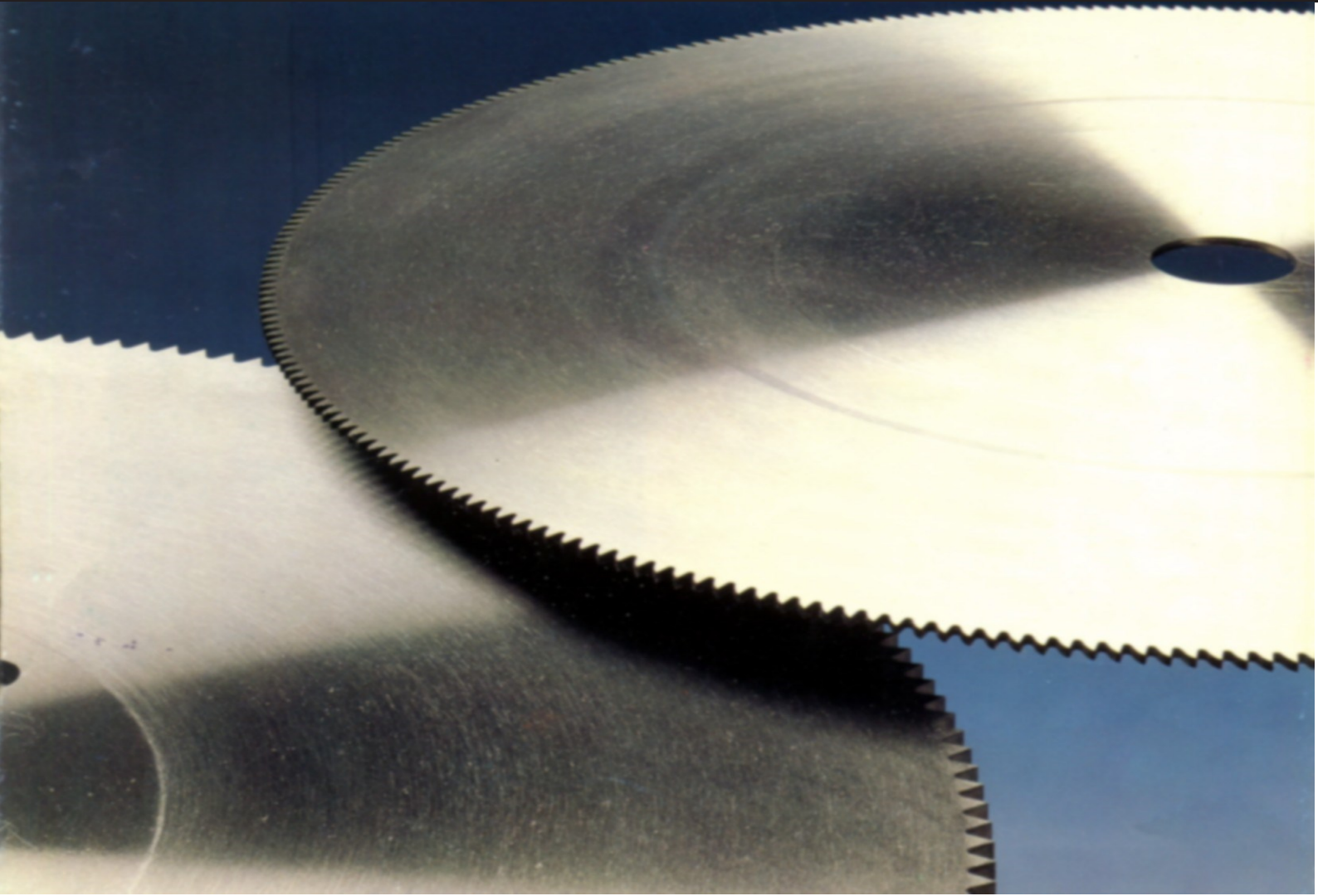


# Metal Cutting Saws

HSS Segmental Saws, Hot Cutting Saw Blades, Cold Saw Blades, Flying/  
Friction Circular Saw Blades, HSS/TCT Circular Saw Blades etc

[www.apexshears.com](http://www.apexshears.com)



Apex Shears is a global specialist in the manufacture of a wide range of Saws, Cutters, Rolls and Tools for the Metal Cutting Industry.

The world-class durability and productivity of Apex Shears is based on decades of experience and cooperation with customers. Apex's quality is based on state-of-the-art production facilities equipped with the most modern and advanced machines and equipment coupled with over 47 years of accumulated know-how & research. We leave nothing to chance!

**The salient features of Apex's Shears, Knives, Blades and Components are:**

- **All Products are manufactured from the finest quality steels available sourced from a network of worldwide suppliers ensuring consistent quality.**
- **Digitally Controlled Advanced Heat treatment.**
- **High Wear Resistance, Durability and Impact Strength.**
- **Precision ground Surface, Sharp and Straight Cutting edges.**
- **High Performance, Lower Machine Downtime, Greater Productivity Tooling.**
- **High quality surface finish.**

**We just don't make the tool, but offer the "Total Tooling Solution"**



## For Cold Sawing Applications..

- **HSS Segmental Circular Saw Blades and HSS Segments**
- **HSS Cobra Circular Saws for Metal Pipe and Tube Cutting**
- **Flying/Friction Circular Saw Blades**

For Cold Sawing Applications where Structural Steel, Channels, Angles, Non Ferrous Billets, Bars and Fabrication Applications, we offer our specially designed HSS Segmental Saw Blades.

Our Segmental blades have been designed to meet the requirements of present day high speed cold saws.

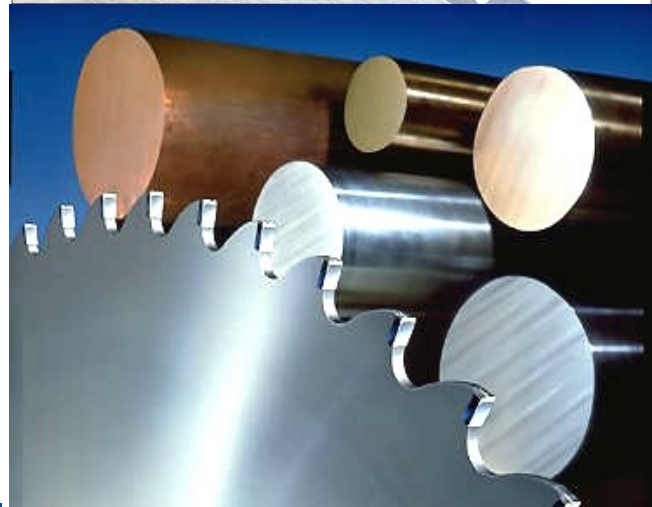
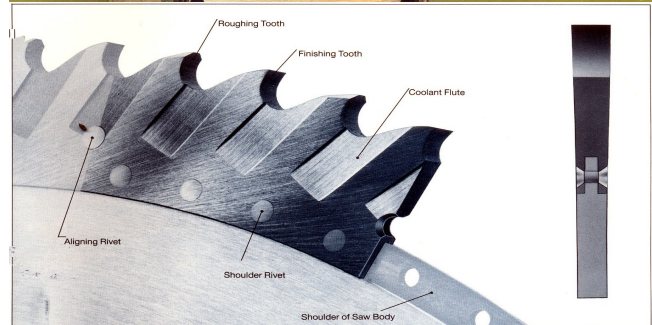
The segments are made from specially heat-treated high speed steel and form a closed ring around the saw plate. The saw plates are hardened and tempered to maintain accuracy throughout the working life of the saw.

These blades are designed to meet the demands of much lower cutting time, tighter tolerances, better finishes, longer blade life, lower down time and reduction in secondary operations resulting in higher productivity for our customers. The Segments are made of High Speed Steels and are fitted to the Saw body in an overlapping position. These Segments are tempered by using advanced heat treatment methods.

In addition to the above, we also supply our HSS M2 Circular Saw Blades and TCT Circular Saws for Metal Tube and Pipe Cutting operations. Non-ferrous blades are suitable for applications requiring durable cut-off saws running at substantially higher RPM's than ferrous cutting saws. The ferrous metal cutting industry consumes a large number of steam treated, M2 and cobalt HSS saw blades. These blades are specifically suited for use in manual, semi-automatic and fully-automatic sawing operations. All blades are hardened to 64/65 RC, triple tempered and press quenched.

Standard Sizes of these blades are usually available on ex-stock basis. However we welcome annual quantity requirements from our customers.

We also offer Flying/Friction Saw Blades for Tube/Pipe Cutting Operations made from steels such as 80CrV, 45Mn2V, 65Mn etc for optimum cutting performance.



## For Hot Sawing Applications...

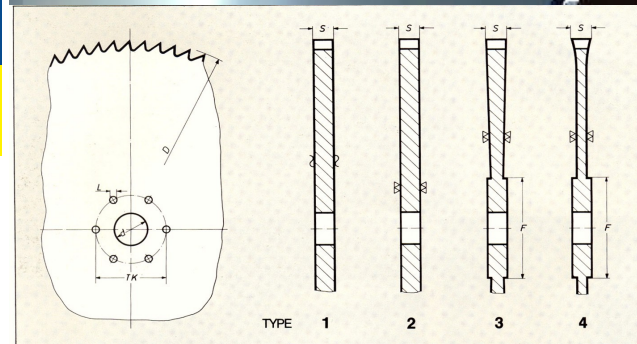
- **Hot Cutting Circular Saw Blades up to 2.5m in diameter.**

Our circular Hot Saw blades have redefined hot sawing industries. Through many years of research and development in these applications, we have developed a product that surpasses all others in terms of wear life and flatness.

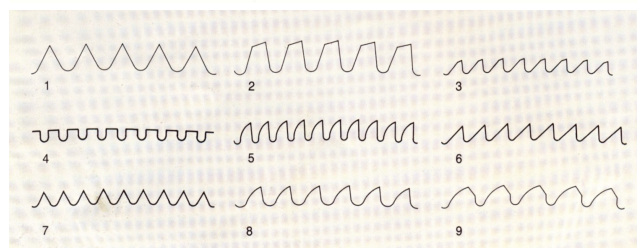
Combining superior machinery, craftsmanship and raw material with this product research we offer our high performance Hot Sawing Blades. We offer tooth configurations and flat surface profiles to suit each application. Flat surfaces may be straight ground or hollow ground and consideration of profile is important for optimum performance as per the illustration on the right. These saw blades are balanced, dressed and tensioned for regular running with milled teeth and special temper of the tooth as per the tooth profiles given in our illustration on the right.

We also produce saw tooth and surface profiles to saw builder design, user modified design, and in many situations can offer design advice for improved performance. We are continually refining our production methods and raw materials to increase performance and durability for the future requirements of our customers.

Typical material of construction for these blades includes 45Mn2V and 65Mn Steels for optimum price-performance ratios for our customers.



- TYPE 1 black rolled  
 TYPE 2 face ground  
 TYPE 3 taper ground  
 TYPE 4 hollow ground



# apex shears pvt. ltd

*The Total Tooling Solutions Company!*

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