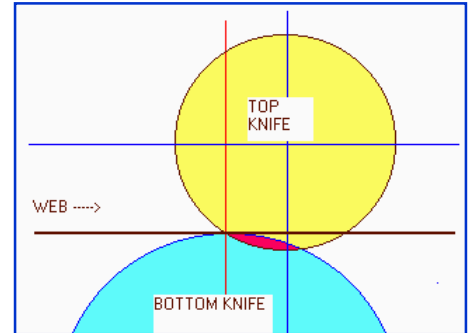


Shear Slitting Theory

1.0 BASIC SHEAR SLITTING GEOMETRIES

- Tangential and Wrap Web Paths
- Shear Cut Point
- Shear Angle Function
- Top and Bottom Knife Overlap
- Axial and Radial Run-out

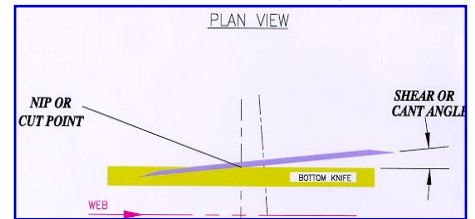
Cut Point



2.0 SHEAR KNIFE BLADES

- Function - Flat and Dished Blades
- Bevels - Single, Double, Double Hollow
- Metallurgy
 - 52100, D2, and other Tool Steels
 - CPM10-V, Carbide Bottoms
- Regrind Effects

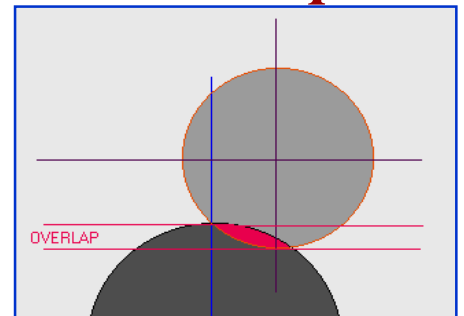
Shear Angle



3.0 BOTTOM KNIVES

- Function
- Metallurgy

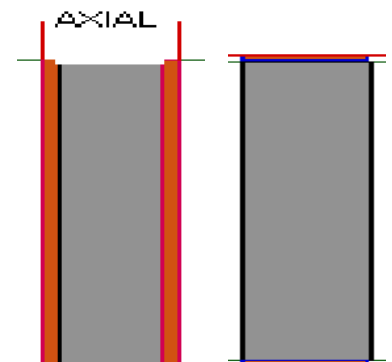
Overlap



4.0 SHEAR KNIFE HOLDERS

- Horizontal Side Load Force
- Over speed
- Vibration
- Mounting Methods
- Safety

Run-out



5.0 SHEAR SLITTING DUST

6.0 TROUBLESHOOTING

