Engineering Horizontal Bandsaw and Lathe Instructional Videos and References

Intro to Horizontal Saw Video
https://youtu.be/WvdCONqKFeQ

Horizontal Saw Control Panel Video
https://youtu.be/tT25knZy_ps

Horizontal Saw Operation Video
https://youtu.be/sosQqv1sTHg

Introduction to the Tool Room Lathe Video
https://youtu.be/_FQwndInK7g

Lathe Workholding Options Video
https://youtu.be/GjWt5HbxxUY

Lathe X and Z Axis Power Feed Video
https://youtu.be/5K1lXI1JEGc

Facing Operations and Checking Length
https://youtu.be/hPMsU7W460s

Turning Diameters to Length Video
https://youtu.be/1qkeYcjmNRg

Chamfering With the Compound Rest
https://youtu.be/RaNXjIXo14U

Lathe Center Drilling, Drilling, and Countersinking Video
https://youtu.be/t_FxZg0fRyE
Lathe Tapping Video
https://youtu.be/s45JH1ezpNA

Single Point Threading Set-Up Video
https://youtu.be/m7kipNBjipE

Threading Quick Change Gear Box Review Video
https://youtu.be/N-3lEQ21Gvs

Single Point Cutting of External Threads Video
https://youtu.be/yaijHFqbA2Y

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References

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Surface Feet Selector

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<th>Material to be cut</th>
<th>Condition Bhn</th>
<th>S.F.P.M. High Speed Cutters</th>
<th>S.F.P.M. Carbide Cutters</th>
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</table>
- **RPM Shop Formula** = 4 x SFPM Divided by the Diameter of the Rotating Part

- **Pitch** = 1 Divided by the Number of Threads per Inch

- **Approximate Compound Rest Travel When Single Point Threading** = 75% x Pitch