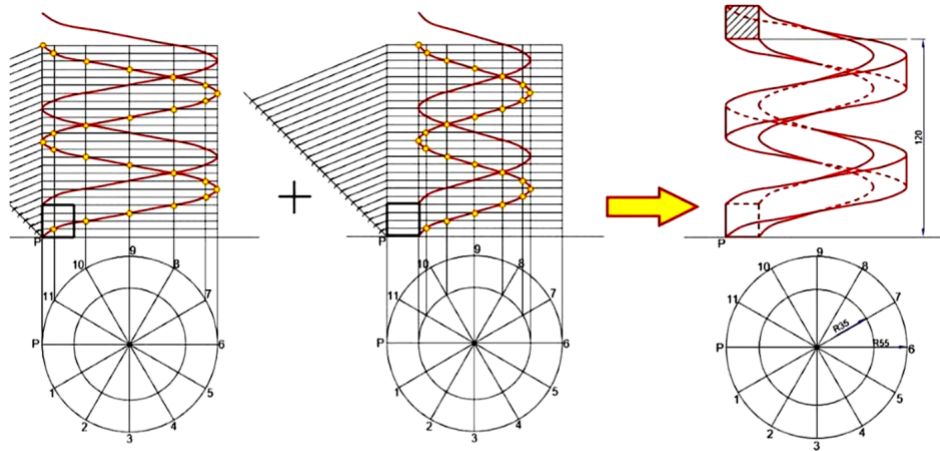


CONSTRUCTION OF A SPRING WIRE OF **SQUARE** CROSS SECTION

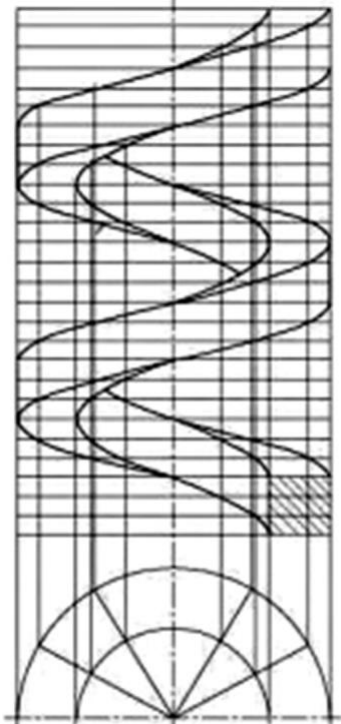


1 Using the specifications obtained during our last lesson, draw;

- (i) two turns of a right hand spring.
- (ii) two turns of a left hand spring.

NB; The cases demonstrated above and below are of a right hand spring.

2 The insertion of a core makes it a thread as indicated below. Draw two turns of the thread below using the given specifications.



Helical Screw Thread

- Draw one revolution of a single start right-handed screw thread ($\frac{1}{2}$ the pitch) given
- Inside \varnothing : 40mm
- Outside \varnothing : 82mm
- Lead: 60mm
- Square Thread: 30mm

