TRAK®MACHINE TOOLS
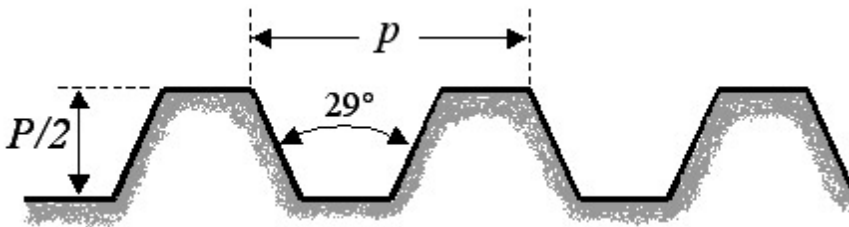
SOUTHWESTERN INDUSTRIES, INC.

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White Paper

What should the plunge angle be for a thread?

The value when inputting the plunge angle is equal to the angle of your threading tool.

For example, if you are using a Square Head and the thread angle of the tool is 0-degrees, then your plunge angle will also be 0-degrees because your plunge angle is equal to the angle of your threading tool. Another example would be when using a 29-degree Acme thread tool, your plunge angle will also be 29-degrees or a 45-degree buttress thread tool and inputting 45-degrees for your plunge angle. The same theory would be followed with any other thread types.

Acme Thread

P = Pitch
29-degrees with arrows pointing to the angles signify the type of angle for the thread. In this example shown it's a 29-degree Acme thread. Since this is the angle of the thread, this is the same value you would put in for the plunge angle for this particular thread.