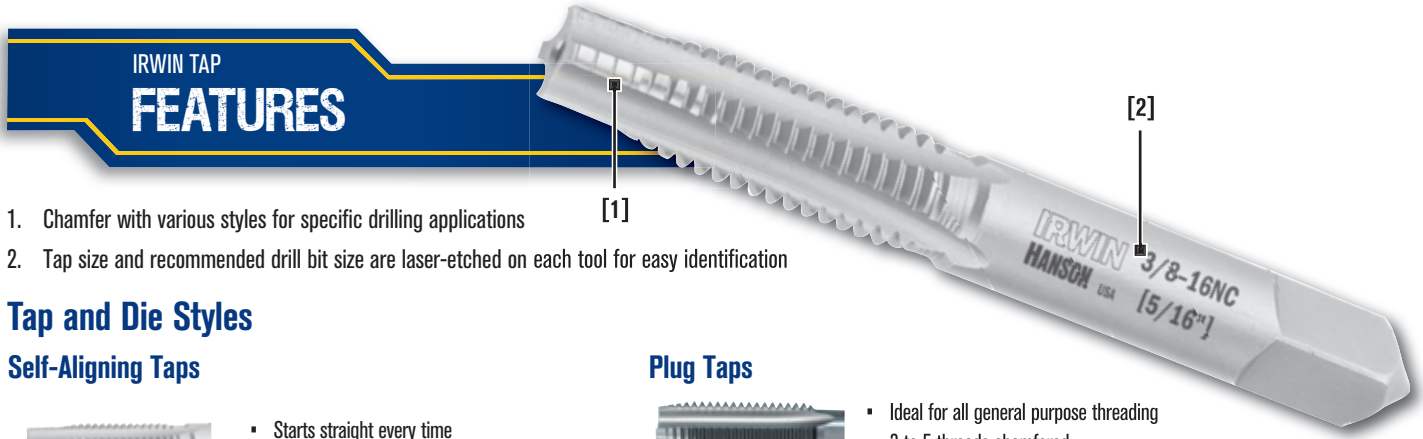


IRWIN HANSON

IRWIN® HANSON® has been manufacturing High Carbon Steel threading tools for over 100 years, and has proven itself to be a brand you can trust. Performance, thread quality, durability, and ease of use — proven for over a century.

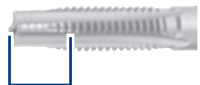


IRWIN TAP FEATURES

1. Chamfer with various styles for specific drilling applications
2. Tap size and recommended drill bit size are laser-etched on each tool for easy identification

Tap and Die Styles

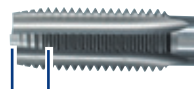
Self-Aligning Taps



8-10 threads

- Starts straight every time
- Ideal for through holes and irregular surfaces

Plug Taps



3-5 threads

- Ideal for all general purpose threading
- 3 to 5 threads chamfered
- Most common chamfer

Taper Taps



8-10 threads

- Ideal for tough starting applications
- Preferred use with deep or through-hole applications
- 8 to 10 threads chamfered

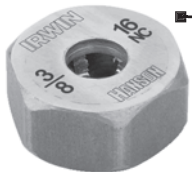
Bottom Taps



1-2 threads

- Ideal for threading close to the bottom of blind holes
- 1 to 2 threads chamfered
- Shortest standard chamfer

Self-Aligning Dies



1" Across Hex Flats

- Starts straight every time
- More steel at critical points for extra strength
- Recommended for use with PTS die stock

Hexagon Dies



5/8", 1", 1-7/16" and 1-13/16" Across Hex Flats

- Best suited for maintenance and repair work
- Recommended for use with hexagonal die stock handles
- In area with limited space, die can be used with a wrench or socket

Solid Round Dies



1" and 1-1/2" Overall Diameter

- Ideal for general purpose threading
- Fits into adjustable guide or plain die stock handles

Adjustable Round Dies



1", 1-1/2", 2" and 3" Overall Diameter

- Ideal for a precision threading with the adjustment of die made by set screw
- Adjustable dies allow the user to under or over cut their threads
- Fits into adjustable guide or plain die stock handles
- Meets Federal Specifications GGG-D-296

Tap & Die Description Guide

10-24 NC

Fastener Diameter

10 - Machine screw size
5/8" - Fractional
8 mm - Metric

Thread Pitch

Threads per inch (machine & fractional)
Distance between threads (metric)

Thread Type

NC = National Coarse (USS)
NF = National Fine (SAE)
NS = National Special
NEF = National Extra Fine
NPT = National Pipe Taper
BSP = British Standard Pipe
(no thread symbol required for metric fasteners)

Applications

General purpose machines and appliances
Automotive parts requiring extreme pressures
Special threads – either diameter or threads per inch
For optical or thin wall parts
For all pipe threads
For all pipe threads