

Special Taps



For over 45 years, Balax has been manufacturing cold forming and cutting taps to a wide variety of configurations. Balax has experience in assisting customers in their tapping needs and can provide tools that are optimized for the “least cost per tapped hole” results.

Stock Blank Specials

For special applications, Balax offers fast delivery of custom designed Thredfloers and Thredshavers made from stock blanks. Prompt delivery is assured by our large inventory of premanufactured stock blanks for each size and style of tool. Price is determined by order quantity and any special geometry factors necessary for the application.

Balax Engineered Stock Blank Specials are made to order and can be tailored to fit your particular application. Surface treatments and other special features are available with slight increases in price and delivery time.

Special Blank Taps

- Non-standard OAL or shank diameter
- Tandem or multiple thread section taps
- Cupped-end taps for hydraulic fittings
- Super high-speed steel or powdered metal tap material for difficult applications where more abrasion/wear resistance is required
- Solid carbide taps
- Carbide inserted taps

Special Thread Specifications

- Special thread forms and pitches
- Special pitch diameter limits
- Controlled root diameters
- Radius crested taps
- Multiple lead taps
- API sucker rod taps.
- Left hand threads

Stock Thredfloer Blanks

Tap Size	ANSI	ANSI CNC Cobalt	ANSI 3" OAL	ANSI 4" OAL	ANSI 6" OAL	JIS 4340	DIN 371 Cobalt	
#0	M1.6	X		X	X		X	X
#1	—	X		X	X		X	X
#2	M2.0	X	X	X	X		X	X
#3	M2.5	X	X	X	X		X	X
#4	—	X	X	X	X		X	X
#5	M3.0	X	X	X	X		X	X
#6	M3.5	X	X	X	X		X	X
#8	M4.0	X	X	X	X		X	X
#10	M5.0	X	X	X	X	X	X	X
1/4	M6.0	X	X		X	X	X	X
5/16	M8.0	X	X		X	X	X	X
3/8	M10	X	X		X	X		X
7/16	M11	X	X		X	X		
1/2	M12	X	X		X	X		X
9/16	M14	X	X					
5/8	M16	X	X					
11/16	—	X	X					
3/4	M18	X	X					
13/16	—	X	X					
7/8	—	X	X					
15/16	—	X	X					
1	—	X	X					
1-1/8	—	X						
1-1/4	—	X						

THREDFLOER TAPS

THREDSHAVER TAPS

CARBIDE INSERTED TAPS

SPECIAL TAPS

THREAD GAGES

ROUGHING END MILLS

BAL-TAP "S"

TECHNICAL / HOLE SIZES

Stock Fluted Thredshaver Blanks

Inch	Metric	Number of Flutes				
		Straight Flute Medium Hook	Straight Flute Cast Iron	Spiral Point	45° Spiral Flute	15° Slow Spiral Flute
#2	M2.0	—	—	2	2	2
#3	M2.5	—	—	2	2	2
#4	—	2	—	2 or 3	2	2
#5	M3.0	—	—	2 or 3	3	3
#6	M3.5	3	3	2 or 3	3	3
#8	M4.0	3	3	3	3	3
#10	M5.0	4	4	3	3	3
1/4	M6.0	4	4	3	3	3
5/16	M8.0	4	4	3	3	3
3/8	M10	4	4	3	3	3
7/16	M11	4	4	3	3	3
1/2	M12	4	4	4	3	3
9/16	M14	4	4	4	4	—
5/8	M16	4	4	4	4	—
3/4	M18	4	4	4	4	—
7/8	—	4	—	4	4	—
1	—	4	—	4	4	—