



## Spiral Flute Tap 45° (cont.)

### E003 & E013 SERIES - STEAM OXIDE FINISH

- Premium substrate with steam oxide surface treatment reduces wear and prevents chip welding in abrasive or harder ferrous materials

**Note:** Reinforced shanks: sizes M2 x 0.4 to M10 x 1.25  
Reduced shanks: sizes M12 x 1 to M24 x 3



Model No.	Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Limits	Price /Each
TCP983	M2x0.4	Metric Coarse	2	8	41	D3	
TCP984	M2.5x0.45	Metric Coarse	2	9.5	44.5	D3	
TCP985	M3x0.5	Metric Coarse	3	6	48	D3	
TCP998	M4x0.5	Metric Fine	3	7	53	D4	
TCP986	M4x0.7	Metric Coarse	3	7	53	D4	
TCP999	M5x0.5	Metric Fine	3	8	58	D4	
TCP987	M5x0.8	Metric Coarse	3	8	58	D4	
TCQ000	M6x0.5	Metric Fine	3	10	66	D5	
TCQ001	M6x0.75	Metric Fine	3	10	66	D5	
TCP988	M6x1	Metric Coarse	3	10	66	D5	
TCQ002	M8x0.75	Metric Fine	3	12	72	D5	
TCQ003	M8x1	Metric Fine	3	12	72	D5	
TCP989	M8x1.25	Metric Coarse	3	12	72	D5	
TCQ004	M10x1	Metric Fine	3	15	80	D6	
TCQ005	M10x1.25	Metric Fine	3	15	80	D6	
TCP990	M10x1.5	Metric Coarse	3	15	80	D6	

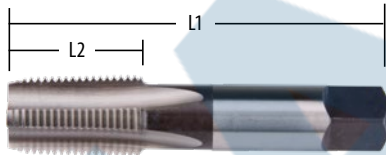
Model No.	Thread Size	Thread Form	No. of Flutes	L2 mm	L1 mm	Limits	Price /Each
TCQ006	M12x1	Metric Fine	3	16	89	D6	
TCQ007	M12x1.25	Metric Fine	3	16	89	D6	
TCQ008	M12x1.5	Metric Fine	3	16	89	D6	
TCP991	M12x1.75	Metric Coarse	3	16	89	D6	
TCQ009	M14x1.5	Metric Fine	3	18	95	D7	
TCP992	M14x2	Metric Coarse	3	18	95	D7	
TCQ010	M16x1	Metric Fine	4	18	102	D7	
TCQ011	M16x1.5	Metric Fine	4	18	102	D7	
TCP993	M16x2	Metric Coarse	4	18	102	D7	
TCQ012	M18x1.5	Metric Fine	4	29	112	D7	
TCP994	M18x2.5	Metric Coarse	4	29	112	D7	
TCQ013	M20x1.5	Metric Fine	4	29	112	D7	
TCP995	M20x2.5	Metric Coarse	4	29	112	D7	
TCQ014	M22x1.5	Metric Fine	4	29	112	D8	
TCP996	M22x2.5	Metric Coarse	4	29	118	D8	
TCP997	M24x3	Metric Coarse	4	35	130	D8	

## Medium Hook Pipe Taps

### E710 SERIES

- Generally used for pipe fittings and couplings in most ferrous and non-ferrous materials
- Medium hook for multi-material tapping
- Straight flute
- Material: High Speed Steel
- Thread Form: National Taper Pipe
- Manufacturing Standards: ANSI B94.9
- Finish: Bright
- Cutting Direction: Right Hand

**Note:** NPT threads require the use of a sealant such as teflon tape or pipe compound to ensure a tight joint



Model No.	Pipe Size	No. of Flutes	L2 mm	L1 mm	Price /Each
TCP958	1/16"-27	4	17	65	
TCP959	1/8"-27	4	19	70	
TCP960	1/4"-18	4	27	75	
TCP961	3/8"-18	4	27	80	
TCP962	1/2"-14	4	35	100	
TCP963	3/4"-14	5	35	105	
TCP964	1"-11.5	5	43	115	
TCP965	1-1/4"-11.5	5	43	125	
TCP966	1-1/2"-11.5	7	43	135	
TCP967	2"-11.5	7	43	145	



## Straight Handle Tap Wrenches

### 3850 SERIES

- Ideal for hand tapping
- Hardened steel jaws are opened and closed by simply twisting one hand which is knurled for side gripping



## UNION BUTTERFIELD®

Model No.	Imperial Hand Tap Capacity"	Metric Hand Tap Capacity"	Hand Reamer Capacity"	Size	Price /Each
TCP921	1/16 - 5/16	M1 - M8	1/8 - 5/16	#8	
TCP922	3/16 - 1/2	M4 - M12	3/16 - 3/8	#9	
TCP923	1/4 - 3/4	M3 - M18	1/4 - 9/16	#10	
TCP924	3/8 - 1	M10 - M25	3/8 - 3/4	#11	
TCP925	3/8 - 1-1/8	M10 - M27	3/8 - 7/8	#12	
TCP926	7/8 - 1-7/8	M22 - M42	5/8 - 1-1/2	#14	

## Screw Extractors

- Left hand rotation screw extractors
- Material: Chromium Steel



### 1800 SERIES

Model No.	Extractor Size	For Screw/Bolt Sizes"	For Pipe Sizes"	Overall Length"	Small End Diameter"	Shank Size"	Price /Each
TCP901	#1	3/16 - 1/4	-	2	0.054	5/32	
TCP902	#2	1/4 - 5/16	-	2-3/8	0.086	3/16	
TCP903	#3	5/16 - 7/16	-	2-3/4	1/8	1/4	
TCP904	#4	7/16 - 9/16	-	3	11/64	5/16	
TCP905	#5	9/16 - 3/4	1/8 - 1/4	3-3/8	1/4	7/16	
TCP906	#6	3/4 - 1	3/8	3-3/4	3/8	5/8	
TCP907	#7	1 - 1-3/8	1/2	4-1/8	31/64	3/4	
TCP908	#8	1-3/8 - 1-3/4	3/4	4-3/8	47/64	1	
TCP909	#9	1-3/4 - 2-1/8	1	4-5/8	31/32	1-1/4	
TCP910	#10	2-1/8 - 2-1/2	1-1/4	5	1-7/32	1-17/32	
TCP911	#11	2-1/2 - 3	1-1/2	5-5/8	1-15/32	1-27/32	
TCP912	#12	3 - 3-1/2	2	6-1/4	1-27/32	2-9/32	

### 1815 & 1816 SERIES

Model No.	Extractor Size	For Screw/Bolt Sizes"	For Pipe Sizes"	Price /Each
TCP913	#1 to #5	3/16 - 3/4	1/8 - 1/4	
TCP914	#1 to #6	3/16 - 1	1/8 - 3/8	