



# Tools - Taps - High Speed Steel - Hand

10/4/2018

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## INFORMATION

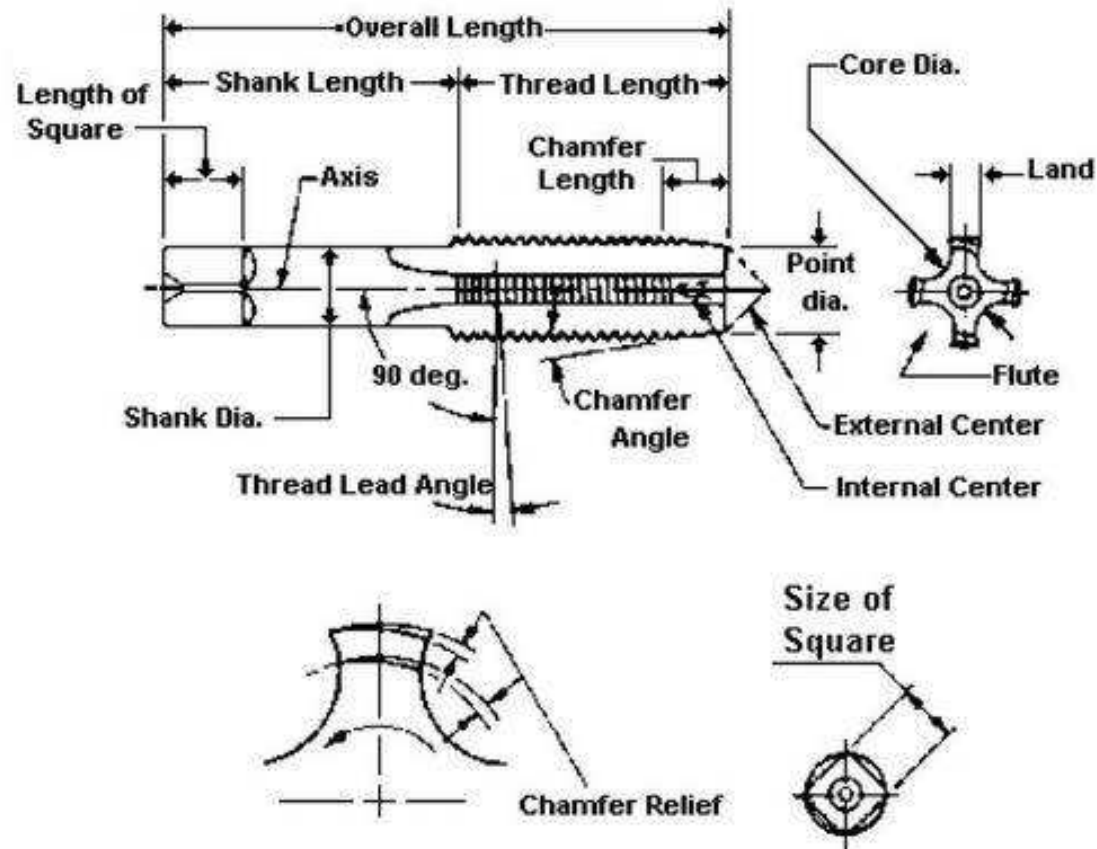
High Speed Steel Short Machine Flute Taps. starting from M1 and 0-90 UNF. Many unusual sizes - M1.2, M1.4, M1.6, M1.7, BA Sizes, 2-56 and more. Sutton - PN - Bordo.

High Speed Steel (HSS) Short Machine taps

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
TPC-010M-I-H	M1x0.25 (1mm Standard)	0.250 mm / 101.6 TPI	Intermediate	2.50	0.74 - 0.85	High Speed Steel		
				<i>0.098</i>				
TPC-012M-I-H	M1.2x0.25 (1.2mm)	0.250 mm / 101.6 TPI	Intermediate	2.50	0.95 - 1.05	High Speed Steel		
				<i>0.098</i>				
TPC-014M-I-H	M1.4x0.30 (1.4mm)	0.300 mm / 84.67 TPI	Intermediate	2.50	1.10 - 1.20	High Speed Steel		
				<i>0.098</i>				
TPC-016M-I-H	M1.6x0.35 (M1.6 Standard)	0.350 mm / 72.57 TPI	Intermediate	2.79	1.25 - 1.40	High Speed Steel	2	
				<i>0.110</i>				
TPC-017M-I-H	M1.7x0.35 (1.7mm) - Equiv 10BA	0.350 mm / 72.57 TPI	Intermediate	2.50	1.35 - 1.52	High Speed Steel		
				<i>0.098</i>				
# TPC-017M-T-H	M1.7x0.35 (1.7mm) - Equiv 10BA	0.350 mm / 72.57 TPI	Taper	2.00	1.41 - 1.51	High Speed Steel		
				<i>0.079</i>				
# TPC-019B-P-H	9BA (1.9mm)	0.390 mm / 65.13 TPI	Bottoming	2.00	1.52 - 1.69	High Speed Steel		
				<i>0.079</i>				
# TPC-019B-T-H	9BA (1.9mm)	0.390 mm / 65.13 TPI	Taper	2.00	1.52 - 1.69	High Speed Steel		
				<i>0.079</i>				

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
TPC-019B-I-H	9BA (1.9mm)	0.390 mm / 65.13 TPI	Intermediate	2.00  <i>0.079</i>	1.52 - 1.69	High Speed Steel		
TPC-020M-P-H	M2x0.4 (2mm Standard)	0.400 mm / 63.5 TPI	Bottoming	2.00  <i>0.079</i>	1.59 - 1.72	High Speed Steel		
TPC-020M-T-H	M2x0.4 (2mm Standard)	0.400 mm / 63.5 TPI	Taper	2.00  <i>0.079</i>	1.59 - 1.72	High Speed Steel		
TPC-020M-I-H	M2x0.4 (2mm Standard)	0.400 mm / 63.5 TPI	Intermediate	2.00  <i>0.079</i>	1.59 - 1.72	High Speed Steel		
TPC-022B-I-H	8BA (2.2mm)	0.430 mm / 59.07 TPI	Intermediate	2.24  <i>0.088</i>	1.76 - 4.16	High Speed Steel		
# TPC-022B-P-H	8BA (2.2mm)	0.430 mm / 59.07 TPI	Bottoming	2.24  <i>0.088</i>	1.76 - 4.16	High Speed Steel		
# TPC-022B-T-H	8BA (2.2mm)	0.430 mm / 59.07 TPI	Taper	2.24  <i>0.088</i>	1.76 - 4.16	High Speed Steel		
TPC-024W-I-H	3/32-48 BSW (2.38mm)	0.529 mm / 48 TPI	Intermediate	2.24  <i>0.088</i>	1.75 - 2.00	High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-024W-P-H	3/32-48 BSW (2.38mm)	0.529 mm / 48 TPI	Bottoming	2.24  <i>0.088</i>	1.75 - 2.00	High Speed Steel		
# TPC-024W-T-H	3/32-48 BSW (2.38mm)	0.529 mm / 48 TPI	Taper	2.24  <i>0.088</i>	1.75 - 2.00	High Speed Steel		
TPC-025M-P-H	M2.5x0.45 (2.5mm Standard)	0.450 mm / 56.44 TPI	Bottoming	2.24  <i>0.088</i>	2.05 - 2.25	High Speed Steel		
TPC-025M-T-H	M2.5x0.45 (2.5mm Standard)	0.450 mm / 56.44 TPI	Taper	2.24  <i>0.088</i>	2.05 - 2.25	High Speed Steel		
TPC-025M-I-H	M2.5x0.45 (2.5mm Standard)	0.450 mm / 56.44 TPI	Intermediate	2.24  <i>0.088</i>	2.05 - 2.25	High Speed Steel		
TPC-025B-I-H	7BA (2.5mm)	0.480 mm / 52.92 TPI	Intermediate	2.24  <i>0.088</i>	2.00 - 2.22	High Speed Steel		
# TPC-025B-T-H	7BA (2.5mm)	0.480 mm / 52.92 TPI	Taper	2.24  <i>0.088</i>	2.00 - 2.22	High Speed Steel		
# TPC-025B-P-H	7BA (2.5mm)	0.480 mm / 52.92 TPI	Bottoming	2.24  <i>0.088</i>	2.00 - 2.22	High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
TPC-025C-I-H	3-48 UNC (2.515mm)	0.529 mm / 48 TPI	Intermediate	2.24	1.95 - 2.20	High Speed Steel		
				<i>0.088</i>				
TPC-025C-T-H	3-48 UNC (2.515mm)	0.529 mm / 48 TPI	Taper	2.24	1.95 - 2.20	High Speed Steel		
				<i>0.088</i>				
TPC-025C-P-H	3-48 UNC (2.515mm)	0.529 mm / 48 TPI	Bottoming	2.24	1.95 - 2.20	High Speed Steel		
				<i>0.088</i>				
TPC-025F-I-H	3-56 UNF (2.515mm)	0.454 mm / 56 TPI	Intermediate	2.24	2.05 - 2.27	High Speed Steel		
				<i>0.088</i>				
TPC-025F-T-H	3-56 UNF (2.515mm)	0.454 mm / 56 TPI	Taper	2.24	2.05 - 2.27	High Speed Steel		
				<i>0.088</i>				
TPC-025F-P-H	3-56 UNF (2.515mm)	0.454 mm / 56 TPI	Bottoming	2.24	2.05 - 2.27	High Speed Steel		
				<i>0.088</i>				
TPC-026M-I-H	M2.6x0.45 (M2.6 Standard)	0.450 mm / 56.44 TPI	Intermediate			High Speed Steel		
TPC-026M-P-H	M2.6x0.45 (M2.6 Standard)	0.450 mm / 56.44 TPI	Bottoming			High Speed Steel		
TPC-026M-T-H	M2.6x0.45 (M2.6 Standard)	0.450 mm / 56.44 TPI	Taper			High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
TPC-028B-I-H	6BA (2.794mm)	0.530 mm / 47.93 TPI	Intermediate	2.50  <i>0.098</i>	2.24 - 2.49	High Speed Steel		
TPC-028B-P-H	6BA (2.794mm)	0.530 mm / 47.93 TPI	Bottoming	2.50  <i>0.098</i>	2.24 - 2.49	High Speed Steel		
# TPC-028B-T-H	6BA (2.794mm)	0.530 mm / 47.93 TPI	Taper	2.50  <i>0.098</i>	2.24 - 2.49	High Speed Steel		
# TPC-028C-P-H	4-40 UNC (2.845mm)	0.635 mm / 40 TPI	Bottoming	2.50  <i>0.098</i>	2.15 - 2.50	High Speed Steel		
TPC-028C-T-H	4-40 UNC (2.845mm)	0.635 mm / 40 TPI	Taper	2.50  <i>0.098</i>	2.15 - 2.50	High Speed Steel		
TPC-028C-I-H	4-40 UNC (2.845mm)	0.635 mm / 40 TPI	Intermediate	2.50  <i>0.098</i>	2.15 - 2.50	High Speed Steel		
# TPC-028F-P-H	4-48 UNF (2.845mm)	0.529 mm / 48 TPI	Bottoming	2.50  <i>0.098</i>	2.30 - 2.55	High Speed Steel		
TPC-028F-I-H	4-48 UNF (2.845mm)	0.529 mm / 48 TPI	Intermediate	2.50  <i>0.098</i>	2.30 - 2.55	High Speed Steel		

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-028F-T-H	4-48 UNF (2.845mm)	0.529 mm / 48 TPI	Taper	2.50	2.30 - 2.55	High Speed Steel		
				<i>0.098</i>				
TPC-030M-P-H	M3x0.5 (3mm Standard)	0.500 mm / 50.8 TPI	Bottoming	2.50	2.48 - 2.72	High Speed Steel		
				<i>0.098</i>				
TPC-030M-I-H	M3x0.5 (3mm Standard)	0.500 mm / 50.8 TPI	Intermediate	2.50	2.48 - 2.72	High Speed Steel		
				<i>0.098</i>				
TPC-030M-T-H	M3x0.5 (3mm Standard)	0.500 mm / 50.8 TPI	Taper	2.50	2.48 - 2.72	High Speed Steel		
				<i>0.098</i>				
TPC-032C-P-H	5-40 UNC (3.175mm)	0.635 mm / 40 TPI	Bottoming	2.50	2.48 - 2.82	High Speed Steel		
				<i>0.098</i>				
TPC-032C-T-H	5-40 UNC (3.175mm)	0.635 mm / 40 TPI	Taper	2.50	2.48 - 2.82	High Speed Steel		
				<i>0.098</i>				
TPC-032C-I-H	5-40 UNC (3.175mm)	0.635 mm / 40 TPI	Intermediate	2.50	2.48 - 2.82	High Speed Steel		
				<i>0.098</i>				
# TPC-032W-I-H	1/8-40 BSW (3.175mm)	0.635 mm / 40 TPI	Intermediate	2.50	2.37 - 2.75	High Speed Steel		
				<i>0.098</i>				

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-032W-P-H	1/8-40 BSW (3.175mm)	0.635 mm / 40 TPI	Bottoming	2.50  <i>0.098</i>	2.37 - 2.75	High Speed Steel		
# TPC-032W-T-H	1/8-40 BSW (3.175mm)	0.635 mm / 40 TPI	Taper	2.50  <i>0.098</i>	2.37 - 2.75	High Speed Steel		
TPC-032F-P-H	5-44 UNF (3.175mm)	0.577 mm / 44 TPI	Bottoming	2.50  <i>0.098</i>	2.55 - 2.85	High Speed Steel		
TPC-032F-T-H	5-44 UNF (3.175mm)	0.577 mm / 44 TPI	Taper	2.50  <i>0.098</i>	2.55 - 2.85	High Speed Steel		
TPC-032F-I-H	5-44 UNF (3.175mm)	0.577 mm / 44 TPI	Intermediate	2.50  <i>0.098</i>	2.55 - 2.85	High Speed Steel		
TPC-032B-I-H	5BA (3.2mm)	0.590 mm / 43.05 TPI	Intermediate	2.50  <i>0.098</i>	2.50 - 2.82	High Speed Steel		
# TPC-032B-P-H	5BA (3.2mm)	0.590 mm / 43.05 TPI	Bottoming	2.50  <i>0.098</i>	2.50 - 2.82	High Speed Steel		
# TPC-032B-T-H	5BA (3.2mm)	0.590 mm / 43.05 TPI	Taper	2.50  <i>0.098</i>	2.50 - 2.82	High Speed Steel		

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
TPC-035M-T-H	M3.5x0.6 (3.5mm Standard)	0.600 mm / 42.33 TPI	Taper	2.80  <i>0.110</i>	2.85 - 3.12	High Speed Steel		
# TPC-035M-P-H	M3.5x0.6 (3.5mm Standard)	0.600 mm / 42.33 TPI	Bottoming	2.80  <i>0.110</i>	2.85 - 3.12	High Speed Steel		
# TPC-035M-I-H	M3.5x0.6 (3.5mm Standard)	0.600 mm / 42.33 TPI	Intermediate	2.80  <i>0.110</i>	2.85 - 3.12	High Speed Steel		
TPC-035C-T-H	6-32 UNC (3.5mm)	0.794 mm / 32 TPI	Taper	2.80  <i>0.110</i>	2.63 - 3.02	High Speed Steel		
TPC-035C-P-H	6-32 UNC (3.5mm)	0.794 mm / 32 TPI	Bottoming	2.80  <i>0.110</i>	2.63 - 3.02	High Speed Steel		
TPC-035C-I-H	6-32 UNC (3.5mm)	0.794 mm / 32 TPI	Intermediate	2.80  <i>0.110</i>	2.63 - 3.02	High Speed Steel		
TPC-035F-T-H	6-40 UNF (3.5mm)	0.635 mm / 40 TPI	Taper	2.80  <i>0.110</i>	2.83 - 3.10	High Speed Steel		
TPC-035F-P-H	6-40 UNF (3.5mm)	0.635 mm / 40 TPI	Bottoming	2.80  <i>0.110</i>	2.83 - 3.10	High Speed Steel		
TPC-035F-I-H	6-40 UNF (3.5mm)	0.635 mm / 40 TPI	Intermediate	2.80  <i>0.110</i>	2.83 - 3.10	High Speed Steel		

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-036B-T-H	4 BA (3.607mm)	0.660 mm / 38.49 TPI	Taper	2.80  <i>0.110</i>	2.83 - 3.20	High Speed Steel		
# TPC-036B-P-H	4 BA (3.607mm)	0.660 mm / 38.49 TPI	Bottoming	2.80  <i>0.110</i>	2.83 - 3.20	High Speed Steel		
TPC-036B-I-H	4 BA (3.607mm)	0.660 mm / 38.49 TPI	Intermediate	2.80  <i>0.110</i>	2.83 - 3.20	High Speed Steel		
# TPC-039W-T-H	5/32-32 BSW (3.969mm)	0.794 mm / 32 TPI	Taper	3.15  <i>0.124</i>	3.00 - 3.42	High Speed Steel		
# TPC-039W-P-H	5/32-32 BSW (3.969mm)	0.794 mm / 32 TPI	Bottoming	3.15  <i>0.124</i>	3.00 - 3.42	High Speed Steel		
# TPC-039W-I-H	5/32-32 BSW (3.969mm)	0.794 mm / 32 TPI	Intermediate	3.15  <i>0.124</i>	3.00 - 3.42	High Speed Steel		
TPC-040M-I-H	M4x0.7 (4mm Standard)	0.700 mm / 36.29 TPI	Intermediate	3.15  <i>0.124</i>	3.25 - 3.60	High Speed Steel		
TPC-040M-P-H	M4x0.7 (4mm Standard)	0.700 mm / 36.29 TPI	Bottoming	3.15  <i>0.124</i>	3.25 - 3.60	High Speed Steel		

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
TPC-040M-T-H	M4x0.7 (4mm Standard)	0.700 mm / 36.29 TPI	Taper	3.15  <i>0.124</i>	3.25 - 3.60	High Speed Steel		
# TPC-041B-T-H	3BA (4.1mm)	0.730 mm / 34.8 TPI	Taper	3.55  <i>0.140</i>	3.25 - 3.62	High Speed Steel		
# TPC-041B-I-H	3BA (4.1mm)	0.730 mm / 34.8 TPI	Intermediate	3.55  <i>0.140</i>	3.25 - 3.62	High Speed Steel		
# TPC-041B-P-H	3BA (4.1mm)	0.730 mm / 34.8 TPI	Bottoming	3.55  <i>0.140</i>	3.25 - 3.62	High Speed Steel		
# TPC-042C-T-H	8-32 UNC (4.166mm)	0.794 mm / 32 TPI	Taper	3.55  <i>0.140</i>	3.40 - 3.72	High Speed Steel		
TPC-042C-P-H	8-32 UNC (4.166mm)	0.794 mm / 32 TPI	Bottoming	3.55  <i>0.140</i>	3.40 - 3.72	High Speed Steel		
TPC-042C-I-H	8-32 UNC (4.166mm)	0.794 mm / 32 TPI	Intermediate	3.55  <i>0.140</i>	3.40 - 3.72	High Speed Steel		
TPC-042F-T-H	8-36 UNF (4.166mm)	0.706 mm / 36 TPI	Taper	3.55  <i>0.140</i>	3.48 - 3.75	High Speed Steel		

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-042F-I-H	8-36 UNF (4.166mm)	0.706 mm / 36 TPI	Intermediate	3.55  <i>0.140</i>	3.48 - 3.75	High Speed Steel		
TPC-042F-P-H	8-36 UNF (4.166mm)	0.706 mm / 36 TPI	Bottoming	3.55  <i>0.140</i>	3.48 - 3.75	High Speed Steel		
TPC-045M-T-H	M4.5x0.75 (4.5mm Standard)	0.750 mm / 33.87 TPI	Taper	3.55  <i>0.140</i>	3.70 - 4.05	High Speed Steel		
TPC-045M-I-H	M4.5x0.75 (4.5mm Standard)	0.750 mm / 33.87 TPI	Intermediate	3.55  <i>0.140</i>	3.70 - 4.05	High Speed Steel		
TPC-045M-P-H	M4.5x0.75 (4.5mm Standard)	0.750 mm / 33.87 TPI	Bottoming	3.55  <i>0.140</i>	3.70 - 4.05	High Speed Steel		
# TPC-047B-I-H	2BA (4.7mm)	0.812 mm / 31.3 TPI	Intermediate	4.00  <i>0.157</i>	3.73 - 4.20	High Speed Steel		
# TPC-047B-T-H	2BA (4.7mm)	0.812 mm / 31.3 TPI	Taper	4.00  <i>0.157</i>	3.73 - 4.20	High Speed Steel		
# TPC-047B-P-H	2BA (4.7mm)	0.812 mm / 31.3 TPI	Bottoming	4.00  <i>0.157</i>	3.73 - 4.20	High Speed Steel		

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Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
TPC-048C-I-H	10-24 UNC (4.762mm)	1.058 mm / 24 TPI	Intermediate	4.50	3.70 - 4.25	High Speed Steel		
				<i>0.177</i>				
TPC-048C-T-H	10-24 UNC (4.762mm)	1.058 mm / 24 TPI	Taper	4.50	3.70 - 4.25	High Speed Steel		
				<i>0.177</i>				
TPC-048C-P-H	10-24 UNC (4.762mm)	1.058 mm / 24 TPI	Bottoming	4.50	3.70 - 4.25	High Speed Steel		
				<i>0.177</i>				
TPC-048W-P-H	3/16-24 BSW (4.762mm)	1.058 mm / 24 TPI	Bottoming	4.00	3.48 - 4.03	High Speed Steel		
				<i>0.157</i>				
TPC-048W-T-H	3/16-24 BSW (4.762mm)	1.058 mm / 24 TPI	Taper	4.00	3.48 - 4.03	High Speed Steel		
				<i>0.157</i>				
# TPC-048W-I-H	3/16-24 BSW (4.762mm)	1.058 mm / 24 TPI	Intermediate	4.00	3.48 - 4.03	High Speed Steel		
				<i>0.157</i>				
# TPC-048F-I-H12	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86	3.97 - 4.37	High Speed Steel - Ground Thread	2	H1
				<i>0.152</i>				
# TPC-048F-I-H13	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86	3.97 - 4.37	High Speed Steel - Ground Thread	3	H1
				<i>0.152</i>				

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-048F-I-H14	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H1
# TPC-048F-I-H23	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	3	H2
# TPC-048F-I-H24	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H2
# TPC-048F-T-H34	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Taper	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H3
# TPC-048F-I-H73	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	3	H7
# TPC-048F-I-H33	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	3	H3
# TPC-048F-I-H34	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H3
TPC-048F-P-H	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel	3	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
TPC-048F-I-H	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel	2	
# TPC-048F-T-H14	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Taper	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H1
# TPC-048F-B-H14	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H1
# TPC-048F-T-H	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Taper	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel	4	
# TPC-048F-I-H32	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	2	H3
# TPC-048F-I-H74	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Intermediate	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H7
# TPC-048F-B-H73	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	3	H7
# TPC-048F-B-H34	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86  <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H3

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-048F-B-H33	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86 <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	3	H3
# TPC-048F-B-H22	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86 <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	2	H2
# TPC-048F-B-H12	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86 <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	2	H1
# TPC-048F-B-H74	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86 <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	4	H7
# TPC-048F-B-H32	10-32 UNF (4.762mm)	0.794 mm / 32 TPI	Bottoming	3.86 <i>0.152</i>	3.97 - 4.37	High Speed Steel - Ground Thread	2	H3
TPC-050M-I-H	M5x0.8 (5mm Standard)	0.800 mm / 31.75 TPI	Intermediate	3.86 <i>0.152</i>	4.20 - 4.50	High Speed Steel	4	
TPC-050M-P-H	M5x0.8 (5mm Standard)	0.800 mm / 31.75 TPI	Bottoming	3.86 <i>0.152</i>	4.20 - 4.50	High Speed Steel		
TPC-050M-T-H	M5x0.8 (5mm Standard)	0.800 mm / 31.75 TPI	Taper	3.86 <i>0.152</i>	4.20 - 4.50	High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-053B-I-H	1BA (5.3mm)	0.900 mm / 28.22 TPI	Intermediate	4.50  <i>0.177</i>	4.25 - 4.75	High Speed Steel		
# TPC-053B-T-H	1BA (5.3mm)	0.900 mm / 28.22 TPI	Taper	4.50  <i>0.177</i>	4.25 - 4.75	High Speed Steel		
# TPC-053B-P-H	1BA (5.3mm)	0.900 mm / 28.22 TPI	Bottoming	4.50  <i>0.177</i>	4.25 - 4.75	High Speed Steel		
TPC-055C-I-H	12-24 UNC (5.486mm)	1.058 mm / 24 TPI	Intermediate	4.19  <i>0.165</i>	4.36 - 4.92	High Speed Steel		
# TPC-055C-P-H	12-24 UNC (5.486mm)	1.058 mm / 24 TPI	Bottoming	4.19  <i>0.165</i>	4.36 - 4.92	High Speed Steel		
# TPC-055C-T-H	12-24 UNC (5.486mm)	1.058 mm / 24 TPI	Taper	4.19  <i>0.165</i>	4.36 - 4.92	High Speed Steel		
# TPC-055F-I-H34	12-28 UNF (5.486mm)	0.907 mm / 28 TPI	Intermediate	4.19  <i>0.165</i>	4.48 - 4.94	High Speed Steel - Ground Thread	4	H3
# TPC-055F-P-H	12-28 UNF (5.486mm)	0.907 mm / 28 TPI	Bottoming	4.19  <i>0.165</i>	4.48 - 4.94	High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-055F-T-H	12-28 UNF (5.486mm)	0.907 mm / 28 TPI	Taper	4.19  <i>0.165</i>	4.48 - 4.94	High Speed Steel		
# TPC-055F-I-H14	12-28 UNF (5.486mm)	0.907 mm / 28 TPI	Intermediate	4.19  <i>0.165</i>	4.48 - 4.94	High Speed Steel	4	H1
# TPC-060M-I-H	M6x1 (6mm Standard)	1.000 mm / 25.4 TPI	Intermediate	4.85  <i>0.191</i>	4.98 - 5.42	High Speed Steel		
TPC-060M-P-H	M6x1 (6mm Standard)	1.000 mm / 25.4 TPI	Bottoming	4.85  <i>0.191</i>	4.98 - 5.42	High Speed Steel		
# TPC-060M-T-H	M6x1 (6mm Standard)	1.000 mm / 25.4 TPI	Taper	4.85  <i>0.191</i>	4.98 - 5.42	High Speed Steel		
TPC-060B-I-H	0BA (6mm)	1.000 mm / 25.4 TPI	Intermediate	5.00  <i>0.197</i>	4.80 - 5.40	High Speed Steel		
TPC-060B-P-H	0BA (6mm)	1.000 mm / 25.4 TPI	Bottoming	5.00  <i>0.197</i>	4.80 - 5.40	High Speed Steel		
# TPC-060B-T-H	0BA (6mm)	1.000 mm / 25.4 TPI	Taper	5.00  <i>0.197</i>	4.80 - 5.40	High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-064C-T-H34	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Taper	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	4	H3
TPC-064C-T-H24	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI	Taper	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel	4	H2
# TPC-064C-P-H	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel	4	
# TPC-064C-I-H53X	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H5
# TPC-064C-I-H53	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H5
# TPC-064C-I-H24	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	4	H2
# TPC-064C-I-H14	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	4	H1
# TPC-064C-B-H32	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	2	H3

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-064C-I-H34	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	4	H3
# TPC-064C-I-H32	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	2	H3
# TPC-064C-B-H14	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	4	H1
# TPC-064C-I-H13	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H1
# TPC-064C-B-H33	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H3
# TPC-064C-B-H34	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	4	H3
# TPC-064C-B-H53	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H5
# TPC-064C-B-H53X	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Bottoming	4.85  <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H5

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-064C-I-H	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI	Intermediate	4.85 <i>0.191</i>	4.97 - 5.62	High Speed Steel	3	
# TPC-064C-I-H33	1/4-20 UNC (6.35mm)	1.270 mm / 20 TPI mm	Intermediate	4.85 <i>0.191</i>	4.97 - 5.62	High Speed Steel - Ground Thread	3	H3
# TPC-064W-T-H	1/4-20 BSW (6.35mm)	1.270 mm / 20 TPI	Taper	5.00 <i>0.197</i>	4.75 - 5.50	High Speed Steel		
# TPC-064W-P-H	1/4-20 BSW (6.35mm)	1.270 mm / 20 TPI	Bottoming	5.00 <i>0.197</i>	4.75 - 5.50	High Speed Steel		
# TPC-064W-I-H	1/4-20 BSW (6.35mm)	1.270 mm / 20 TPI	Intermediate	5.00 <i>0.197</i>	4.75 - 5.50	High Speed Steel		
# TPC-064F-I-H32	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Intermediate	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	2	H3
# TPC-064F-I-H34	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Intermediate	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H3
# TPC-064F-I-H44	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Intermediate	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H4

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-064F-I-H33	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Intermediate	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	3	H3
# TPC-064F-I-H14	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Intermediate	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H1
# TPC-064F-B-H14	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Bottoming	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H1
# TPC-064F-B-H44	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Bottoming	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H4
# TPC-064F-B-H24	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Bottoming	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H2
# TPC-064F-B-H34	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Bottoming	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	4	H3
# TPC-064F-B-H33	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Bottoming	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	3	H3
# TPC-064F-B-H32	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Bottoming	4.85 <i>0.191</i>	5.50 <i>0.217</i>	High Speed Steel - Ground Thread	2	H3

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-064F-T-H34	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Taper	4.85  <i>0.191</i>	5.50  <i>0.217</i>	High Speed Steel - Ground Thread	4	H3
# TPC-064F-I-H24	1/4-28 UNF (6.35mm)	0.907 mm / 28 TPI mm	Intermediate	4.85  <i>0.191</i>	5.50  <i>0.217</i>	High Speed Steel - Ground Thread	4	H2
# TPC-070M-P-H	M7x1 (7mm Standard)	1.000 mm / 25.4 TPI	Bottoming	6.05  <i>0.238</i>	5.93 - 6.40	High Speed Steel	4	
# TPC-070M-T-H	M7x1 (7mm Standard)	1.000 mm / 25.4 TPI	Taper	6.05  <i>0.238</i>	5.93 - 6.40	High Speed Steel	4	
# TPC-070M-I-H	M7x1 (7mm Standard)	1.000 mm / 25.4 TPI	Intermediate	6.05  <i>0.238</i>	5.93 - 6.40	High Speed Steel	4	
# TPC-079C-I-H33	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05  <i>0.238</i>	6.60  <i>0.260</i>	High Speed Steel - Ground Thread	3	H3
# TPC-079C-T-H24	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Taper	6.05  <i>0.238</i>	6.60  <i>0.260</i>	High Speed Steel - Ground Thread	4	H2
# TPC-079C-T-H14	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Taper	6.05  <i>0.238</i>	6.60  <i>0.260</i>	High Speed Steel - Ground Thread	4	H1

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-079C-I-H54	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H5
# TPC-079C-I-H53	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	3	H5
# TPC-079C-B-H53	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	3	H5
# TPC-079C-I-H34	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H3
# TPC-079C-T-H34	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Taper	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H3
# TPC-079C-I-H32	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	2	H3
# TPC-079C-I-H24	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H2
# TPC-079C-B-H54	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H5

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-079C-B-H34	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H3
# TPC-079C-B-H33	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	3	H3
# TPC-079C-B-H32	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	2	H3
# TPC-079C-B-H24	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H2
# TPC-079C-B-H14	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Bottoming	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H1
# TPC-079C-I-H14	5/16-18 UNC (7.938mm)	1.411 mm / 18 TPI	Intermediate	6.05 <i>0.238</i>	6.60 <i>0.260</i>	High Speed Steel - Ground Thread	4	H1
# TU-TT90387RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Taper	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90397RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Bottoming	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	3	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90389RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Bottoming	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90392RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Intermediate	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90393RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Bottoming	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90396RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Intermediate	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	3	
# TU-TT90400RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Intermediate	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90401RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Bottoming	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90404RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Intermediate	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90405RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Bottoming	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90388RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Intermediate	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
# TU-TT90399RS	5/16-24 UNF (7.938mm)	1.058 mm / 24 TPI	Taper	6.05 <i>0.238</i>	6.90 <i>0.272</i>	High Speed Steel - Ground Thread	4	
TPC-080M-T-H	M8x1.25 (8mm Standard)	1.250 mm / 20.32 TPI	Taper	6.05 <i>0.238</i>	6.70 - 7.30	High Speed Steel	4	
TPC-080M-P-H	M8x1.25 (8mm Standard)	1.250 mm / 20.32 TPI	Bottoming	6.05 <i>0.238</i>	6.70 - 7.30	High Speed Steel	4	
# TPC-080M-I-H	M8x1.25 (8mm Standard)	1.250 mm / 20.32 TPI	Intermediate	6.05 <i>0.238</i>	6.70 - 7.30	High Speed Steel	4	
# TPC-090M-T-H	M9x1.25 (9mm Standard)	1.250 mm / 20.32 TPI	Taper	7.10 <i>0.280</i>	7.80 <i>0.307</i>	High Speed Steel		
# TPC-090M-P-H	M9x1.25 (9mm Standard)	1.250 mm / 20.32 TPI	Bottoming	7.10 <i>0.280</i>	7.80 <i>0.307</i>	High Speed Steel		
TPC-090M-I-H	M9x1.25 (9mm Standard)	1.250 mm / 20.32 TPI	Intermediate	7.10 <i>0.280</i>	7.80 <i>0.307</i>	High Speed Steel		

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90423RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
TPC-095C-B-H	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Bottoming	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90419RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	3	
TPC-095C-I-H	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	3	
# TU-TT90422RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Taper	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90427RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	3	
# TU-TT90424RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Bottoming	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90428RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Bottoming	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	3	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90432RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Bottoming	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90420RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Bottoming	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	3	
# TU-TT90431RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90411RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90414RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Taper	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90415RS	3/8-16 UNC (9.525mm)	1.588 mm / 16 TPI	Intermediate	7.26 <i>0.286</i>	8.00 <i>0.315</i>	High Speed Steel - Ground Thread	4	
# TU-TT90446RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Taper	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90452RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Bottoming	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90451RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Intermediate	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90447RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Intermediate	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90444RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Bottoming	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	3	
# TU-TT90443RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Intermediate	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	3	
# TU-TT90440RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Bottoming	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90439RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Intermediate	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90436RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Bottoming	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90435RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Intermediate	7.26 <i>0.286</i>	8.50 <i>0.335</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TU-TT90434RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Taper	7.26  <i>0.286</i>	8.50  <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT90448RS	3/8-24 UNF (9.525mm)	1.058 mm / 24 TPI	Bottoming	7.26  <i>0.286</i>	8.50  <i>0.335</i>	High Speed Steel - Ground Thread	4	
# TU-TT93047RS	M10x1.25 (10mm Fine)	1.250 mm / 20.32 TPI	Intermediate	7.26  <i>0.286</i>	8.80  <i>0.346</i>	High Speed Steel	4	
# TU-TT93048RS	M10x1.25 (10mm Fine)	1.250 mm / 20.32 TPI	Bottoming	7.26  <i>0.286</i>	8.80  <i>0.346</i>	High Speed Steel	4	
# TU-TT93046RS	M10x1.25 (10mm Fine)	1.250 mm / 20.32 TPI	Taper	7.26  <i>0.286</i>	8.80  <i>0.346</i>	High Speed Steel	4	
TPC-017B-I-H	10BA - Equiv M1.7x0.35 (1.7mm)	0.350 mm / 72.57 TPI	Intermediate	2.00  <i>0.079</i>	1.41 - 1.51	High Speed Steel		
# TPC-017B-P-H	10BA - Equiv M1.7x0.35 (1.7mm)	0.350 mm / 72.57 TPI	Bottoming	2.00  <i>0.079</i>	1.41 - 1.51	High Speed Steel		
# TPC-100M-P-H	M10x1.5 (10mm Standard)	1.500 mm / 16.93 TPI	Bottoming	7.26  <i>0.286</i>	8.50  <i>0.335</i>	High Speed Steel	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TPC-100M-T-H	M10x1.5 (10mm Standard)	1.500 mm / 16.93 TPI	Taper	7.26  <i>0.286</i>	8.50  <i>0.335</i>	High Speed Steel	4	
# TPC-100M-I-H	M10x1.5 (10mm Standard)	1.500 mm / 16.93 TPI	Intermediate	7.26  <i>0.286</i>	8.50  <i>0.335</i>	High Speed Steel	4	
# TPC-015B-I-H	11 BA (1.499mm)	0.309 mm / 81.9 TPI	Intermediate	-		High Speed Steel		
# TU-TT90459RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Intermediate	6.15  <i>0.242</i>	9.40  <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90465RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Taper	6.15  <i>0.242</i>	9.40  <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90467RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Bottoming	6.15  <i>0.242</i>	9.40  <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90470RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Intermediate	6.15  <i>0.242</i>	9.40  <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90471RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Bottoming	6.15  <i>0.242</i>	9.40  <i>0.370</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90460RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Bottoming	6.15 <i>0.242</i>	9.40 <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90466RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Intermediate	6.15 <i>0.242</i>	9.40 <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90455RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Intermediate	6.15 <i>0.242</i>	9.40 <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90463RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Intermediate	6.15 <i>0.242</i>	9.40 <i>0.370</i>	High Speed Steel - Ground Thread	3	
# TU-TT90456RS	7/16-14 UNC (11.113mm)	1.814 mm / 14 TPI mm	Bottoming	6.15 <i>0.242</i>	9.40 <i>0.370</i>	High Speed Steel - Ground Thread	4	
# TU-TT90475RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Bottoming	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90490RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Bottoming	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90489RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Intermediate	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90486RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Bottoming	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90485RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Intermediate	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90484RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Taper	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90482RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Intermediate	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	3	
# TU-TT90478RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Intermediate	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90474RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Intermediate	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT90479RS	7/16-20 UNF (11.113mm)	1.270 mm / 20 TPI	Bottoming	6.15 <i>0.242</i>	9.90 <i>0.390</i>	High Speed Steel - Ground Thread	4	
# TU-TT93052RS	M12x1.25 (12mm Extra Fine)	1.250 mm / 20.32 TPI	Taper	6.99 <i>0.275</i>	10.30 <i>0.406</i>	High Speed Steel	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT93053RS	M12x1.25 (12mm Extra Fine)	1.250 mm / 20.32 TPI	Intermediate	6.99  <i>0.275</i>	10.30  <i>0.406</i>	High Speed Steel	4	
# TU-TT93054RS	M12x1.25 (12mm Extra Fine)	1.250 mm / 20.32 TPI	Bottoming	6.99  <i>0.275</i>	10.30  <i>0.406</i>	High Speed Steel	4	
# TPC-120M-T-H	M12x1.75 (12mm Standard)	1.750 mm / 14.51 TPI	Taper	6.99  <i>0.275</i>	-	High Speed Steel	4	
# TPC-120M-P-H	M12x1.75 (12mm Standard)	1.750 mm / 14.51 TPI	Bottoming	6.99  <i>0.275</i>	-	High Speed Steel	4	
# TPC-120M-I-H	M12x1.75 (12mm Standard)	1.750 mm / 14.51 TPI	Intermediate	6.99  <i>0.275</i>	-	High Speed Steel	4	
# TU-TT90497RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Intermediate	6.99  <i>0.275</i>	10.80  <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90498RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Bottoming	6.99  <i>0.275</i>	10.80  <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90501RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Intermediate	6.99  <i>0.275</i>	10.80  <i>0.425</i>	High Speed Steel - Ground Thread	3	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90502RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Bottoming	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	3	
# TU-TT90504RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Taper	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90506RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Bottoming	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90509RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Intermediate	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90510RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Bottoming	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90494RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Bottoming	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90493RS	1/2-13 UNC (12.7mm)	1.954 mm / 13 TPI	Intermediate	6.99 <i>0.275</i>	10.80 <i>0.425</i>	High Speed Steel - Ground Thread	4	
# TU-TT90514RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Bottoming	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90529RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Bottoming	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90528RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Intermediate	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90525RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Bottoming	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90524RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Intermediate	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90523RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Taper	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90521RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Intermediate	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	3	
# TU-TT90517RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Intermediate	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90513RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Intermediate	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90512RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Taper	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT90518RS	1/2-20 UNF (12.7mm)	1.270 mm / 20 TPI	Bottoming	6.99 <i>0.275</i>	11.50 <i>0.453</i>	High Speed Steel - Ground Thread	4	
# TU-TT93058RS	M14x1.5 (14mm Fine)	1.500 mm / 16.93 TPI	Taper	8.18 <i>0.322</i>	12.50 <i>0.492</i>	High Speed Steel	4	
# TU-TT93059RS	M14x1.5 (14mm Fine)	1.500 mm / 16.93 TPI	Intermediate	8.18 <i>0.322</i>	12.50 <i>0.492</i>	High Speed Steel	4	
# TU-TT93060RS	M14x1.5 (14mm Fine)	1.500 mm / 16.93 TPI	Bottoming	8.18 <i>0.322</i>	12.50 <i>0.492</i>	High Speed Steel	4	
# TPC-140M-T-H	M14x2 (14mm Standard)	2.000 mm / 12.7 TPI	Taper	8.18 <i>0.322</i>	12.00 <i>0.472</i>	High Speed Steel	4	
# TPC-140M-P-H	M14x2 (14mm Standard)	2.000 mm / 12.7 TPI	Bottoming	8.18 <i>0.322</i>	12.00 <i>0.472</i>	High Speed Steel	4	
# TPC-140M-I-H	M14x2 (14mm Standard)	2.000 mm / 12.7 TPI	Intermediate	8.18 <i>0.322</i>	12.00 <i>0.472</i>	High Speed Steel	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90532RS	9/16-12 UNC (14.288mm)	2.117 mm / 12 TPI	Intermediate	8.18 <i>0.322</i>	12.20 <i>0.480</i>	High Speed Steel - Ground Thread	4	
# TU-TT90535RS	9/16-12 UNC (14.288mm)	2.117 mm / 12 TPI	Taper	8.18 <i>0.322</i>	12.20 <i>0.480</i>	High Speed Steel - Ground Thread	4	
# TU-TT90536RS	9/16-12 UNC (14.288mm)	2.117 mm / 12 TPI	Intermediate	8.18 <i>0.322</i>	12.20 <i>0.480</i>	High Speed Steel - Ground Thread	4	
# TU-TT90537RS	9/16-12 UNC (14.288mm)	2.117 mm / 12 TPI	Bottoming	8.18 <i>0.322</i>	12.20 <i>0.480</i>	High Speed Steel - Ground Thread	4	
# TU-TT90540RS	9/16-12 UNC (14.288mm)	2.117 mm / 12 TPI	Intermediate	8.18 <i>0.322</i>	12.20 <i>0.480</i>	High Speed Steel - Ground Thread	4	
# TU-TT90541RS	9/16-12 UNC (14.288mm)	2.117 mm / 12 TPI	Bottoming	8.18 <i>0.322</i>	12.20 <i>0.480</i>	High Speed Steel - Ground Thread	4	
# TU-TT90551RS	9/16-18 UNF (14.287mm)	1.411 mm / 18 TPI	Intermediate	8.18 <i>0.322</i>	12.90 <i>0.508</i>	High Speed Steel - Ground Thread	4	
# TU-TT90552RS	9/16-18 UNF (14.287mm)	1.411 mm / 18 TPI	Bottoming	8.18 <i>0.322</i>	12.90 <i>0.508</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90548RS	9/16-18 UNF (14.287mm)	1.411 mm / 18 TPI	Bottoming	8.18 <i>0.322</i>	12.90 <i>0.508</i>	High Speed Steel - Ground Thread	4	
# TU-TT90547RS	9/16-18 UNF (14.287mm)	1.411 mm / 18 TPI	Intermediate	8.18 <i>0.322</i>	12.90 <i>0.508</i>	High Speed Steel - Ground Thread	4	
# TU-TT90546RS	9/16-18 UNF (14.287mm)	1.411 mm / 18 TPI	Taper	8.18 <i>0.322</i>	12.90 <i>0.508</i>	High Speed Steel - Ground Thread	4	
# TU-TT90544RS	9/16-18 UNF (14.287mm)	1.411 mm / 18 TPI	Intermediate	8.18 <i>0.322</i>	12.90 <i>0.508</i>	High Speed Steel - Ground Thread	4	
# TU-TT90566RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Intermediate	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	
# TU-TT90555RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Intermediate	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	
# TU-TT90567RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Bottoming	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	
# TU-TT90563RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Bottoming	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90562RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Intermediate	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	
# TU-TT90561RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Taper	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	
# TU-TT90558RS	5/8-11 UNC (15.875mm)	2.309 mm / 11 TPI	Intermediate	9.14 <i>0.360</i>	13.60 <i>0.535</i>	High Speed Steel - Ground Thread	4	
# TU-TT90574RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Intermediate	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT90582RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Intermediate	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT90579RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Bottoming	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT90578RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Intermediate	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT90570RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Intermediate	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90575RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Bottoming	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT90583RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Bottoming	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT90577RS	5/8-18 UNF (15.875mm)	1.411 mm / 18 TPI	Taper	9.14 <i>0.360</i>	14.50 <i>0.571</i>	High Speed Steel - Ground Thread	4	
# TU-TT93066RS	M16x1.5 (16mm Extra Fine)	1.500 mm / 16.93 TPI	Bottoming	9.14 <i>0.360</i>	14.80 <i>0.583</i>	High Speed Steel	4	
# TU-TT93065RS	M16x1.5 (16mm Extra Fine)	1.500 mm / 16.93 TPI	Intermediate	9.14 <i>0.360</i>	14.80 <i>0.583</i>	High Speed Steel	4	
# TU-TT93064RS	M16x1.5 (16mm Extra Fine)	1.500 mm / 16.93 TPI	Taper	9.14 <i>0.360</i>	14.80 <i>0.583</i>	High Speed Steel	4	
# TPC-160M-T-H	M16x2 (16mm Standard)	2.000 mm / 12.7 TPI	Taper	9.14 <i>0.360</i>	14.00 - 14.50	High Speed Steel	4	
# TPC-160M-I-H	M16x2 (16mm Standard)	2.000 mm / 12.7 TPI	Intermediate	9.14 <i>0.360</i>	14.00 - 14.50	High Speed Steel	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm  <i>inches</i>	Drill Size Range mm  <i>inches</i>	Material	No. of Flutes	GH Limit
# TPC-160M-P-H	M16x2 (16mm Standard)	2.000 mm / 12.7 TPI	Bottoming	9.14  <i>0.360</i>	14.00 - 14.50	High Speed Steel	4	
# TU-TT90589RS	11/16-11 UNC (17.463mm)	2.309mm / 11 TPI	Taper	10.31  <i>0.406</i>	-	High Speed Steel - Ground Thread	4	
# TU-TT90591RS	11/16-11 UNC (17.463mm)	2.309mm / 11 TPI	Bottoming	10.31  <i>0.406</i>	-	High Speed Steel - Ground Thread	4	
# TU-TT90590RS	11/16-11 UNC (17.463mm)	2.309mm / 11 TPI	Intermediate	10.31  <i>0.406</i>	-	High Speed Steel - Ground Thread	4	
# TU-TT90585RS	11/16-11 UNC (17.463mm)	2.309 mm / 11 TPI	Taper	10.31  <i>0.406</i>	-	High Speed Steel - Ground Thread	4	
# TU-TT90587RS	11/16-11 UNC (17.463mm)	2.309 mm / 11 TPI	Bottoming	10.31  <i>0.406</i>	-	High Speed Steel - Ground Thread	4	
# TU-TT90586RS	11/16-11 UNC (17.463mm)	2.309 mm / 11 TPI	Intermediate	10.31  <i>0.406</i>	-	High Speed Steel - Ground Thread	4	
# TU-TT93072RS	M18x1.5 (18mm Extra Fine)	1.500 mm / 16.93 TPI	Bottoming	10.31  <i>0.406</i>	16.50  <i>0.650</i>	High Speed Steel	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT93071RS	M18x1.5 (18mm Extra Fine)	1.500 mm / 16.93 TPI	Intermediate	10.31	16.50	High Speed Steel	4	
				<i>0.406</i>	<i>0.650</i>			
# TU-TT93070RS	M18x1.5 (18mm Extra Fine)	1.500 mm / 16.93 TPI	Taper	10.31	16.50	High Speed Steel	4	
				<i>0.406</i>	<i>0.650</i>			
# TPC-180M-I-H	M18x2.5 (18mm Standard)	2.500 mm / 10.16 TPI	Intermediate	10.31	15.50	High Speed Steel	4	
				<i>0.406</i>	<i>0.610</i>			
# TPC-180M-T-H	M18x2.5 (18mm Standard)	2.500 mm / 10.16 TPI	Taper	10.31	15.50	High Speed Steel	4	
				<i>0.406</i>	<i>0.610</i>			
# TPC-180M-P-H	M18x2.5 (18mm Standard)	2.500 mm / 10.16 TPI	Bottoming	10.31	15.50	High Speed Steel	4	
				<i>0.406</i>	<i>0.610</i>			
# TU-TT90602RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Bottoming	11.23	16.50	High Speed Steel - Ground Thread	4	
				<i>0.442</i>	<i>0.650</i>			
# TU-TT90605RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Intermediate	11.23	16.50	High Speed Steel - Ground Thread	4	
				<i>0.442</i>	<i>0.650</i>			
# TU-TT90601RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Intermediate	11.23	16.50	High Speed Steel - Ground Thread	4	
				<i>0.442</i>	<i>0.650</i>			

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90600RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Taper	11.23 <i>0.442</i>	16.50 <i>0.650</i>	High Speed Steel - Ground Thread	4	
# TU-TT90597RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Intermediate	11.23 <i>0.442</i>	16.50 <i>0.650</i>	High Speed Steel - Ground Thread	4	
# TU-TT90594RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Intermediate	11.23 <i>0.442</i>	16.50 <i>0.650</i>	High Speed Steel - Ground Thread	4	
# TU-TT90606RS	3/4-10 UNC (19.05mm)	2.540 mm / 10 TPI	Bottoming	11.23 <i>0.442</i>	16.50 <i>0.650</i>	High Speed Steel - Ground Thread	4	
# TU-TT90620RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Intermediate	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	
# TU-TT90621RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Bottoming	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	
# TU-TT90617RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Bottoming	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	
# TU-TT90616RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Intermediate	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90615RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Taper	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	
# TU-TT90612RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Intermediate	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	
# TU-TT90609RS	3/4-16 UNF (19.05mm)	1.588 mm / 16 TPI	Intermediate	11.23 <i>0.442</i>	17.50 <i>0.689</i>	High Speed Steel - Ground Thread	4	
# TU-TT93077RS	M20x2.5 (20mm Standard)	2.500 mm / 10.16 TPI	Intermediate	12.42 <i>0.489</i>	17.50 <i>0.689</i>	High Speed Steel	4	
# TU-TT93076RS	M20x2.5 (20mm Standard)	2.500 mm / 10.16 TPI	Taper	12.42 <i>0.489</i>	17.50 <i>0.689</i>	High Speed Steel	4	
# TU-TT93078RS	M20x2.5 (20mm Standard)	2.500 mm / 10.16 TPI	Bottoming	12.42 <i>0.489</i>	17.50 <i>0.689</i>	High Speed Steel	4	
# TU-TT90626RS	7/8-9 UNC (22.225mm)	2.822 mm / 9 TPI	Taper	13.28 <i>0.523</i>	19.50 <i>0.768</i>	High Speed Steel - Ground Thread	4	
# TU-TT90627RS	7/8-9 UNC (22.225mm)	2.822 mm / 9 TPI	Intermediate	13.28 <i>0.523</i>	19.50 <i>0.768</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90628RS	7/8-9 UNC (22.225mm)	2.822 mm / 9 TPI	Bottoming	13.28 <i>0.523</i>	19.50 <i>0.768</i>	High Speed Steel - Ground Thread	4	
# TU-TT90631RS	7/8-9 UNC (22.225mm)	2.822 mm / 9 TPI	Intermediate	13.28 <i>0.523</i>	19.50 <i>0.768</i>	High Speed Steel - Ground Thread	4	
# TU-TT90624RS	7/8-9 UNC (22.225mm)	2.822 mm / 9 TPI	Intermediate	13.28 <i>0.523</i>	19.50 <i>0.768</i>	High Speed Steel - Ground Thread	4	
# TU-TT90638RS	7/8-14 UNF (22.225mm)	1.814 mm / 14 TPI mm	Bottoming	13.28 <i>0.523</i>	20.50 <i>0.807</i>	High Speed Steel - Ground Thread	4	
# TU-TT90634RS	7/8-14 UNF (22.225mm)	1.814 mm / 14 TPI mm	Intermediate	13.28 <i>0.523</i>	20.50 <i>0.807</i>	High Speed Steel - Ground Thread	4	
# TU-TT90636RS	7/8-14 UNF (22.225mm)	1.814 mm / 14 TPI mm	Taper	13.28 <i>0.523</i>	20.50 <i>0.807</i>	High Speed Steel - Ground Thread	4	
# TU-TT90637RS	7/8-14 UNF (22.225mm)	1.814 mm / 14 TPI mm	Intermediate	13.28 <i>0.523</i>	20.50 <i>0.807</i>	High Speed Steel - Ground Thread	4	
# TU-TT90641RS	7/8-14 UNF (22.225mm)	1.814 mm / 14 TPI mm	Intermediate	13.28 <i>0.523</i>	20.50 <i>0.807</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT93084RS	M24x3 (24mm Standard)	3.000 mm / 8.46 TPI	Bottoming	14.48	21.00	High Speed Steel	4	
				<i>0.570</i>	<i>0.827</i>			
# TU-TT93082RS	M24x3 (24mm Standard)	3.000 mm / 8.46 TPI	Taper	14.48	21.00	High Speed Steel	4	
				<i>0.570</i>	<i>0.827</i>			
# TU-TT93083RS	M24x3 (24mm Standard)	3.000 mm / 8.46 TPI	Intermediate	14.48	21.00	High Speed Steel	4	
				<i>0.570</i>	<i>0.827</i>			
# TU-TT90651RS	1-8 UNC (25.4mm)	3.175 mm / 8 TPI	Intermediate	15.24	22.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.874</i>			
# TU-TT90648RS	1-8 UNC (25.4mm)	3.175 mm / 8 TPI	Bottoming	15.24	22.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.874</i>			
# TU-TT90647RS	1-8 UNC (25.4mm)	3.175 mm / 8 TPI	Intermediate	15.24	22.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.874</i>			
# TU-TT90646RS	1-8 UNC (25.4mm)	3.175 mm / 8 TPI	Taper	15.24	22.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.874</i>			
# TU-TT90644RS	1-8 UNC (25.4mm)	3.175 mm / 8 TPI	Intermediate	15.24	22.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.874</i>			

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90655RS	1-12 UNF	2.117 mm / 12 TPI	Bottoming	15.24	23.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.913</i>			
# TU-TT90653RS	1-12 UNF	2.117 mm / 12 TPI	Taper	15.24	23.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.913</i>			
# TU-TT90654RS	1-12 UNF	2.117 mm / 12 TPI	Intermediate	15.24	23.20	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.913</i>			
# TU-TT90664RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Taper	15.24	22.35	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.880</i>			
# TU-TT90661RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Intermediate	15.24	22.35	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.880</i>			
# TU-TT90662RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Bottoming	15.24	22.35	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.880</i>			
# TU-TT90658RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Intermediate	15.24	22.35	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.880</i>			
# TU-TT90666RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Bottoming	15.24	22.35	High Speed Steel - Ground Thread	4	
				<i>0.600</i>	<i>0.880</i>			

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90665RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Intermediate	15.24 <i>0.600</i>	22.35 <i>0.880</i>	High Speed Steel - Ground Thread	4	
# TU-TT90660RS	1-14 (25.4mm)	1.814 mm / 14 TPI mm	Taper	15.24 <i>0.600</i>	22.35 <i>0.880</i>	High Speed Steel - Ground Thread	4	
# TU-TT93085RS	M27x3 (27mm Standard)	3.000 mm / 8.46 TPI	Taper		24.00 <i>0.945</i>	High Speed Steel	4	
# TU-TT93086RS	M27x3 (27mm Standard)	3.000 mm / 8.46 TPI	Intermediate		24.00 <i>0.945</i>	High Speed Steel	4	
# TU-TT93087RS	M27x3 (27mm Standard)	3.000 mm / 8.46 TPI	Bottoming		24.00 <i>0.945</i>	High Speed Steel	4	
# TU-TT90670RS	1.1/8-7 UNC (28.575mm)	3.629 mm / 7 TPI	Bottoming	17.07 <i>0.672</i>	25.00 <i>0.984</i>	High Speed Steel - Ground Thread	4	
# TU-TT90669RS	1.1/8-7 UNC (28.575mm)	3.629 mm / 7 TPI	Intermediate	17.07 <i>0.672</i>	25.00 <i>0.984</i>	High Speed Steel - Ground Thread	4	
# TU-TT90668RS	1.1/8-7 UNC (28.575mm)	3.629 mm / 7 TPI	Taper	17.07 <i>0.672</i>	25.00 <i>0.984</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90674RS	1.1/8-12 UNF (28.575mm)	2.117 mm / 12 TPI	Bottoming	17.07 <i>0.672</i>	26.50 <i>1.043</i>	High Speed Steel - Ground Thread	4	
# TU-TT90673RS	1.1/8-12 UNF (28.575mm)	2.117 mm / 12 TPI	Intermediate	17.07 <i>0.672</i>	26.50 <i>1.043</i>	High Speed Steel - Ground Thread	4	
# TU-TT90672RS	1.1/8-12 UNF (28.575mm)	2.117 mm / 12 TPI	Taper	17.07 <i>0.672</i>	26.50 <i>1.043</i>	High Speed Steel - Ground Thread	4	
# TU-TT93088RS	M30x3.5 (30mm Standard)	3.500 mm / 7.26 TPI	Taper	19.46 <i>0.766</i>	26.50 <i>1.043</i>	High Speed Steel	4	
# TU-TT93090RS	M30x3.5 (30mm Standard)	3.500 mm / 7.26 TPI	Bottoming	19.46 <i>0.766</i>	26.50 <i>1.043</i>	High Speed Steel	4	
# TU-TT93089RS	M30x3.5 (30mm Standard)	3.500 mm / 7.26 TPI	Intermediate	19.46 <i>0.766</i>	26.50 <i>1.043</i>	High Speed Steel	4	
# TU-TT90678RS	1.1/4-7 UNC (31.75mm)	3.629 mm / 7 TPI	Bottoming	19.46 <i>0.766</i>	28.20 <i>1.110</i>	High Speed Steel - Ground Thread	4	
# TU-TT90677RS	1.1/4-7 UNC (31.75mm)	3.629 mm / 7 TPI	Intermediate	19.46 <i>0.766</i>	28.20 <i>1.110</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90676RS	1.1/4-7 UNC (31.75mm)	3.629 mm / 7 TPI	Taper	19.46 <i>0.766</i>	28.20 <i>1.110</i>	High Speed Steel - Ground Thread	4	
# TU-TT90682RS	1.1/4-12 UNF (31.75mm)	2.117 mm / 12 TPI	Bottoming	19.46 <i>0.766</i>	29.50 <i>1.161</i>	High Speed Steel - Ground Thread	6	
# TU-TT90681RS	1.1/4-12 UNF (31.75mm)	2.117 mm / 12 TPI	Intermediate	19.46 <i>0.766</i>	29.50 <i>1.161</i>	High Speed Steel - Ground Thread	6	
# TU-TT90680RS	1.1/4-12 UNF (31.75mm)	2.117 mm / 12 TPI	Taper	19.46 <i>0.766</i>	29.50 <i>1.161</i>	High Speed Steel - Ground Thread	6	
# TU-TT93093RS	M33x3.5 (33mm Standard)	3.500 mm / 7.26 TPI	Bottoming		29.50 <i>1.161</i>	High Speed Steel	4	
# TU-TT93092RS	M33x3.5 (33mm Standard)	3.500 mm / 7.26 TPI	Intermediate		29.50 <i>1.161</i>	High Speed Steel	4	
# TU-TT93091RS	M33x3.5 (33mm Standard)	3.500 mm / 7.26 TPI	Taper		29.50 <i>1.161</i>	High Speed Steel	4	
# TU-TT90684RS	1.3/8-6 UNC (34.925mm)	4.233 mm / 6 TPI	Taper	21.11 <i>0.831</i>	30.80 <i>1.213</i>	High Speed Steel - Ground Thread	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90685RS	1.3/8-6 UNC (34.925mm)	4.233 mm / 6 TPI	Intermediate	21.11 <i>0.831</i>	30.80 <i>1.213</i>	High Speed Steel - Ground Thread	4	
# TU-TT90686RS	1.3/8-6 UNC (34.925mm)	4.233 mm / 6 TPI	Bottoming	21.11 <i>0.831</i>	30.80 <i>1.213</i>	High Speed Steel - Ground Thread	4	
# TU-TT90688RS	1.3/8-12 UNF (34.925mm)	2.117 mm / 12 TPI	Taper	21.11 <i>0.831</i>	32.80 <i>1.291</i>	High Speed Steel - Ground Thread	6	
# TU-TT90689RS	1.3/8-12 UNF (34.925mm)	2.117 mm / 12 TPI	Intermediate	21.11 <i>0.831</i>	32.80 <i>1.291</i>	High Speed Steel - Ground Thread	6	
# TU-TT90690RS	1.3/8-12 UNF (34.925mm)	2.117 mm / 12 TPI	Bottoming	21.11 <i>0.831</i>	32.80 <i>1.291</i>	High Speed Steel - Ground Thread	6	
# TU-TT93096RS	M36x4 (36mm Standard)	4.000 mm / 6.35 TPI	Bottoming	23.50 <i>0.925</i>	32.00 <i>1.260</i>	High Speed Steel	4	
# TU-TT93094RS	M36x4 (36mm Standard)	4.000 mm / 6.35 TPI	Taper	23.50 <i>0.925</i>	32.00 <i>1.260</i>	High Speed Steel	4	
# TU-TT93095RS	M36x4 (36mm Standard)	4.000 mm / 6.35 TPI	Intermediate	23.50 <i>0.925</i>	32.00 <i>1.260</i>	High Speed Steel	4	

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## Tools - Taps - High Speed Steel - Hand

Part Number	Thread Size	Pitch in mm / Threads Per Inch	Type	Square Shank Dia. mm	Drill Size Range mm	Material	No. of Flutes	GH Limit
				<i>inches</i>	<i>inches</i>			
# TU-TT90692RS	1.1/2-6 UNC (38.10mm)	4.233 mm / 6 TPI	Taper	23.50 <i>0.925</i>	34.00 <i>1.339</i>	High Speed Steel - Ground Thread	4	
# TU-TT90693RS	1.1/2-6 UNC (38.10mm)	4.233 mm / 6 TPI	Intermediate	23.50 <i>0.925</i>	34.00 <i>1.339</i>	High Speed Steel - Ground Thread	4	
# TU-TT90694RS	1.1/2-6 UNC (38.10mm)	4.233 mm / 6 TPI	Bottoming	23.50 <i>0.925</i>	34.00 <i>1.339</i>	High Speed Steel - Ground Thread	4	
# TU-TT90698RS	1.1/2-12 UNF (38.10mm)	2.117 mm / 12 TPI	Bottoming	23.50 <i>0.925</i>	36.00 <i>1.417</i>	High Speed Steel - Ground Thread	6	
# TU-TT90697RS	1.1/2-12 UNF (38.10mm)	2.117 mm / 12 TPI	Intermediate	23.50 <i>0.925</i>	36.00 <i>1.417</i>	High Speed Steel - Ground Thread	6	
# TU-TT90696RS	1.1/2-12 UNF (38.10mm)	2.117 mm / 12 TPI	Taper	23.50 <i>0.925</i>	36.00 <i>1.417</i>	High Speed Steel - Ground Thread	6	

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