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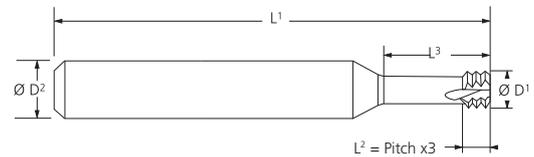
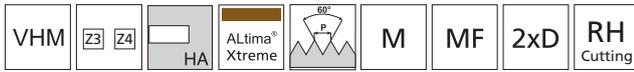


**M.A. FORD MAX**  
RANGE

**Threading & Tapping**

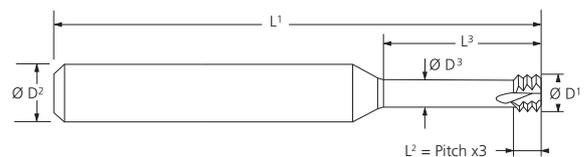
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## Metric 2D Carbide Thread Mills Series 3TC



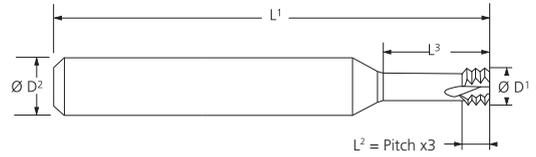
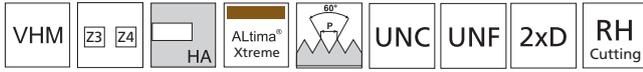
Tool Number	Thread		Tool Dimensions					
	M Coarse	M Fine	Pitch (mm)	D <sup>1</sup>	D <sup>2</sup>	L <sup>1</sup>	L <sup>3</sup>	Flutes
3TCM 0154D2-040AX	M2x0.4	-	0.4	1.54	4.0	50.0	4.5	3
3TCM 0196D2-045AX	M2.5x0.45	-	0.45	1.96	4.0	50.0	5.5	3
3TCM 0240D2-050AX	M3x0.5	M3.5x0.5	0.5	2.4	4.0	50.0	7.0	3
3TCM 0315D2-070AX	M4x0.7	-	0.7	3.15	4.0	50.0	8.8	3
3TCM 0400D2-080AX	M5x0.8	-	0.8	4.0	6.0	50.0	12.0	3
3TCM 0475D2-100AX	M6x1.0	M8x1.0	1.0	4.75	6.0	50.0	12.0	3
3TCM 0600D2-125AX	M8x1.25	-	1.25	6.0	6.0	60.0	17.5	3
3TCM 0800D2-150AX	M10x1.5	M12x1.5	1.5	8.0	8.0	60.0	22.0	4
3TCM 1000D2-175AX	M12x1.75	-	1.75	10.0	10.0	75.0	28.0	4
3TCM 1200D2-200AX	M16x2.0	-	2.0	12.0	12.0	75.0	35.0	4

## Metric 3D Carbide Thread Mills Series 3TC



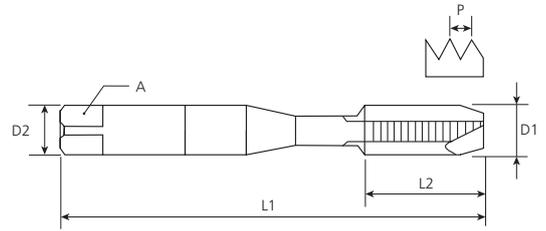
Tool Number	Thread		Tool Dimensions						
	M Coarse	Pitch (mm)	D <sup>1</sup>	D <sup>2</sup>	D <sup>3</sup>	L <sup>1</sup>	L <sup>3</sup>	Flutes	Drill Dia.
3TC-M1606D3-0.35X	M1.6	0.35	1.2	4.0	0.68	50.0	5.0	3	1.25
3TC-M206D3-0.4X	M2	0.4	1.54	6.0	0.88	60.0	6.5	3	1.6
3TC-M2506D3-0.45X	M2.5	0.45	1.96	6.0	1.15	60.0	8.0	3	2.05
3TC-M306D3-0.5X	M3	0.5	2.42	6.0	1.63	60.0	9.5	3	2.5
3TC-M406D3-0.7X	M4	0.7	3.15	6.0	1.99	60.0	12.5	3	3.3
3TC-M506D3-0.8X	M5	0.8	4.0	6.0	2.54	60.0	15.5	3	4.2
3TC-M606D3-1.0X	M6	1.0	4.75	6.0	3.03	60.0	18.5	3	5
3TC-M806D3-1.25X	M8	1.25	5.95	6.0	3.81	65.0	25.0	3	6.75
3TC-M1008D3-1.5X	M10	1.5	7.9	8.0	5.82	75.0	31.0	4	8.5
3TC-M1210D3-1.75X	M12	1.75	9.9	10.0	7.42	80.0	37.0	4	10.25
3TC-M1612D3-2.0X	M16	2.0	11.9	12.0	8.95	100.0	50.0	4	14
3TC-M2016D3-2.5X	M20	2.5	15.9	16.0	12.39	110.0	62.0	6	17.5

## UN 2D Carbide Thread Mills Series 3TC



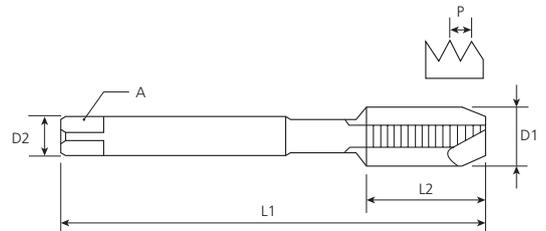
Tool Number	Thread		Tool Dimensions					
	UNC	UNF	Pitch (TPI)	D <sup>1</sup>	D <sup>2</sup>	L <sup>1</sup>	L <sup>3</sup>	Flutes
3TCU 0140D2-64AX	1-64	2-64	64	1.4	4.0	50.0	4.0	3
3TCU 0145D2-72AX	-	1-72	72	1.45	4.0	50.0	3.8	3
3TCU 0165D2-56AX	2-56	3-56	56	1.65	4.0	50.0	5.0	3
3TCU 0190D2-48AX	3-48	4-48	48	1.9	4.0	50.0	5.0	3
3TCU 0210D2-40AX	4-40	6-40	40	2.1	4.0	50.0	6.0	3
3TCU 0245D2-40AX	5-40	6-40	40	2.45	4.0	50.0	8.0	3
3TCU 0255D2-32AX	6-32	10-32	32	2.55	4.0	50.0	7.4	3
3TCU 0320D2-32AX	8-32	10-32	32	3.2	4.0	50.0	11.0	3
3TCU 0330D2-36AX	-	8-36	36	3.3	4.0	50.0	11.0	3
3TCU 0358D2-24AX	10-24	5/16-24	24	3.58	4.0	50.0	11.0	3
3TCU 0488D2-20AX	1/4-20	7/16-20	20	4.88	6.0	50.0	13.5	3
3TCU 0525D2-28AX	-	1/4-28	28	5.25	6.0	50.0	15.0	3
3TCU 0668D2-24AX	-	5/16-24	24	6.68	8.0	65.0	21.0	4
3TCU 0760D2-16AX	3/8-16	-	16	7.6	8.0	60.0	20.0	4
3TCU 0900D2-14AX	7/16-14	-	14	9.0	10.0	75.0	28.0	4
3TCU 0955D2-20AX	-	7/16-20	20	9.55	10.0	75.0	28.0	4

## HSSE Spiral Point Taps Series EVO-SP



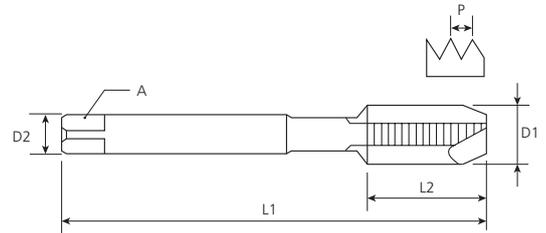
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP M2X0.4	M2	0.4	45.0	8.0	2.8	2.1	1.6
EVOSP M2.5X0.45	M2.5	0.45	50.0	9.0	2.8	2.1	2.05
EVOSP M3X0.5	M3	0.5	56.0	9.0	3.5	2.7	2.5
EVOSP M4X0.7	M4	0.7	63.0	12.0	4.5	3.4	3.3
EVOSP M5X0.8	M5	0.8	70.0	13.0	6.0	4.9	4.2
EVOSP M6X1.0	M6	1.0	80.0	15.0	6.0	4.9	5.0
EVOSP M8X1.25	M8	1.25	90.0	18.0	8.0	6.2	6.8
EVOSP M10X1.5	M10	1.5	100.0	20.0	10.0	8.0	8.5

## HSSE Spiral Point Taps Series EVO-SP



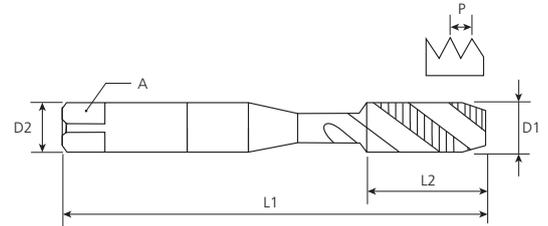
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP M12X1.75	M12	1.75	110.0	23.0	9.0	7.0	10.2
EVOSP M14X2.0	M14	2.0	110.0	25.0	11.0	9.0	12.0
EVOSP M16X2.0	M16	2.0	110.0	25.0	12.0	9.0	14.0
EVOSP M20X2.5	M20	2.5	140.0	30.0	16.0	12.0	17.5

## HSSE Spiral Point Taps Series EVO-SP



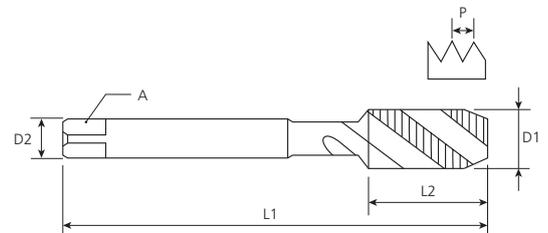
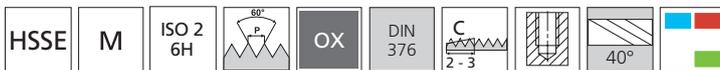
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP M8X1.0	M8	1.0	90.0	18.0	6.0	4.9	7.0
EVOSP M10X1.0	M10	1.0	90.0	20.0	7.0	5.5	9.0
EVOSP M10X1.25	M10	1.25	100.0	20.0	7.0	5.5	8.8
EVOSP M12X1.25	M12	1.25	100.0	21.0	9.0	7.0	10.8
EVOSP M12X1.5	M12	1.5	100.0	21.0	9.0	7.0	10.5
EVOSP M14X1.5	M14	1.5	100.0	21.0	11.0	9.0	12.5
EVOSP M16X1.5	M16	1.5	100.0	21.0	12.0	9.0	14.5

## HSSE Spiral Flute Taps Series EVO-SF



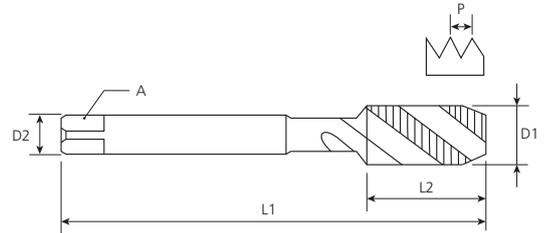
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF M2X0.4	M2	0.4	45.0	6.0	2.8	2.1	1.6
EVOSF M2.5X0.45	M2.5	0.45	50.0	7.5	2.8	2.1	2.05
EVOSF M3X0.5	M3	0.5	56.0	5.0	3.5	2.7	2.5
EVOSF M4X0.7	M4	0.7	63.0	7.0	4.5	3.4	3.3
EVOSF M5X0.8	M5	0.8	70.0	8.0	6.0	4.9	4.2
EVOSF M6X1.0	M6	1.0	80.0	10.0	6.0	4.9	5.0
EVOSF M8X1.25	M8	1.25	90.0	13.0	8.0	6.2	6.8
EVOSF M10X1.5	M10	1.5	100.0	15.0	10.0	8.0	8.5

## HSSE Spiral Flute Taps Series EVO-SF



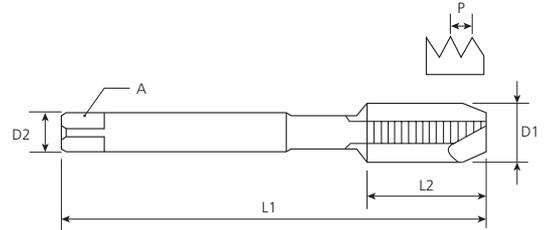
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF M12X1.75	M12	1.75	110.0	18.0	9.0	7.0	10.2
EVOSF M14X2.0	M14	2.0	110.0	20.0	11.0	9.0	12.0
EVOSF M16X2.0	M16	2.0	110.0	20.0	12.0	9.0	14.0
EVOSF M18X2.5	M18	2.5	125.0	25.0	14.0	11.0	15.5
EVOSF M20X2.5	M20	2.5	140.0	25.0	16.0	12.0	17.5
EVOSF M22X2.5	M22	2.5	140.0	25.0	18.0	14.5	19.5
EVOSF M24X3.0	M24	3.0	160.0	30.0	18.0	14.5	21.0
EVOSF M27X3.0	M27	3.0	160.0	30.0	20.0	16.0	24.0
EVOSF M30X3.5	M30	3.5	180.0	35.0	22.0	18.0	26.5

## HSSE Spiral Flute Taps Series EVO-SF



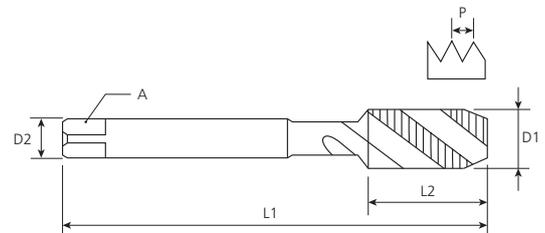
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF M8X1.0	M8	1.0	90.0	13.0	6.0	4.9	7.0
EVOSF M10X1.0	M10	1.0	90.0	12.0	7.0	5.5	9.0
EVOSF M10X1.25	M10	1.25	100.0	15.0	7.0	5.5	8.8
EVOSF M12X1.25	M12	1.25	100.0	14.0	9.0	7.0	10.8
EVOSF M12X1.5	M12	1.5	100.0	14.0	9.0	7.0	10.5
EVOSF M14X1.5	M14	1.5	100.0	16.0	11.0	9.0	12.5
EVOSF M16X1.5	M16	1.5	100.0	16.0	12.0	9.0	14.5

## HSSE Spiral Point Taps Series EVO-SP



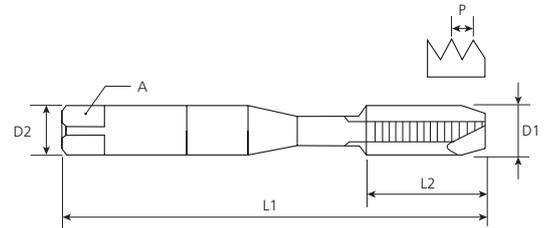
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP-T G1/8	G1/8	28	90.0	20.0	7.0	5.5	8.8
EVOSP-T G1/4	G1/4	19	100.0	21.0	11.0	9.0	11.8
EVOSP-T G3/8	G3/8	19	100.0	21.0	12.0	9.0	15.25
EVOSP-T G1/2	G1/2	14	125.0	24.0	16.0	12.0	19.0
EVOSP-T G5/8	G5/8	14	125.0	24.0	18.0	14.5	21.0
EVOSP-T G3/4	G3/4	14	140.0	26.0	20.0	16.0	24.5
EVOSP-T G7/8	G7/8	14	150.0	28.0	22.0	18.0	28.25
EVOSP-T G1	G1	11	160.0	30.0	25.0	20.0	30.75

## HSSE Spiral Flute Taps Series EVO-SF



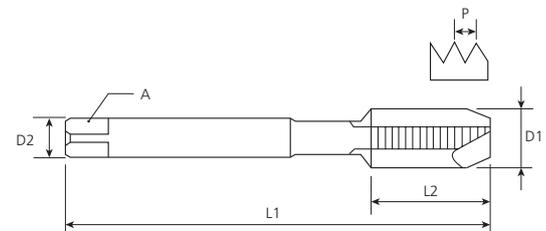
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF-T G1/8	G1/8	28	90.0	20.0	7.0	5.5	8.8
EVOSF-T G1/4	G1/4	19	100.0	21.0	11.0	9.0	11.8
EVOSF-T G3/8	G3/8	19	100.0	21.0	12.0	9.0	15.25
EVOSF-T G1/2	G1/2	14	125.0	24.0	16.0	12.0	19.0
EVOSF-T G5/8	G5/8	14	125.0	24.0	18.0	14.5	21.0
EVOSF-T G3/4	G3/4	14	140.0	26.0	20.0	16.0	24.5
EVOSF-T G7/8	G7/8	14	150.0	28.0	22.0	18.0	28.25
EVOSF-T G1	G1	11	160.0	30.0	25.0	20.0	30.75

## HSSE Spiral Point Taps Series EVO-SP



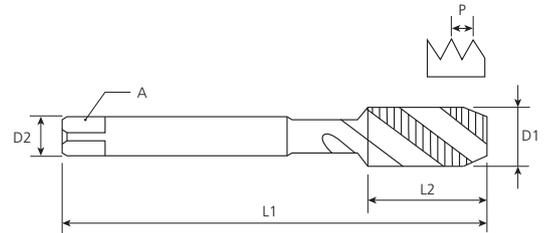
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP-T UNC 5-40	UNC 5	40	56.0	9.0	3.5	2.7	2.6
EVOSP-T UNC 6-32	UNC 6	32	56.0	11.0	4.0	3.0	2.85
EVOSP-T UNC 8-32	UNC 8	32	63.0	12.0	4.5	3.4	3.5
EVOSP-T UNC 10-24	UNC 10	24	70.0	13.0	6.0	4.9	3.9
EVOSP-T UNC 12-24	UNC 12	24	80.0	15.0	6.0	4.9	4.5
EVOSP-T UNC 1/4-20	UNC 1/4	20	80.0	15.0	7.0	5.2	5.2
EVOSP-T UNC 5/16-18	UNC 5/16	18	90.0	18.0	8.0	6.2	6.6
EVOSP-T UNC 3/8-16	UNC 3/8	16	90.0	20.0	9.0	7.0	8.0

## HSSE Spiral Point Taps Series EVO-SP



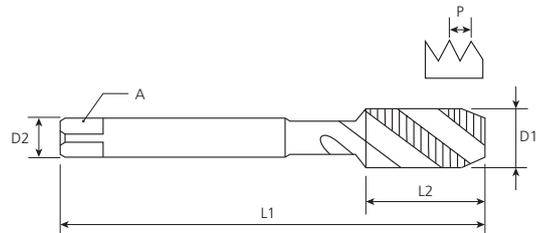
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP-T UNC 7/16-14	UNC 7/16	14	100.0	20.0	8.0	6.2	9.4
EVOSP-T UNC 1/2-13	UNC 1/2	13	110.0	23.0	9.0	7.0	10.75
EVOSP-T UNC 9/16-12	UNC 9/16	12	110.0	25.0	11.0	9.0	12.25
EVOSP-T UNC 5/8-11	UNC 5/8	11	110.0	25.0	12.0	9.0	13.5
EVOSP-T UNC 3/4-10	UNC 3/4	10	125.0	30.0	14.0	11.0	16.5
EVOSP-T UNC 7/8-9	UNC 7/8	9	140.0	30.0	18.0	14.5	19.5
EVOSP-T UNC 1-8	UNC 1	8	160.0	36.0	18.0	14.5	22.25
EVOSP-T UNC 1 1/8-7	UNC 1 1/8	7	180.0	40.0	22.0	18.0	25.0

## HSSE Spiral Flute Taps Series EVO-SF



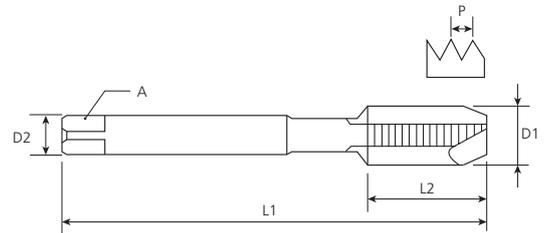
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF-T UNC 5-40	UNC 5	40	56.0	5.0	3.5	2.7	2.6
EVOSF-T UNC 6-32	UNC 6	32	56.0	7.0	4.0	3.0	2.85
EVOSF-T UNC 8-32	UNC 8	32	63.0	7.0	4.5	3.4	3.5
EVOSF-T UNC 10-24	UNC 10	24	70.0	8.0	6.0	4.9	3.9
EVOSF-T UNC 12-24	UNC 12	24	80.0	10.0	6.0	4.9	4.5
EVOSF-T UNC 1/4-20	UNC 1/4	20	80.0	10.0	7.0	5.5	5.2
EVOSF-T UNC 5/16-18	UNC 5/16	18	90.0	13.0	8.0	6.2	6.6
EVOSF-T UNC 3/8-16	UNC 3/8	16	90.0	15.0	9.0	7.0	8.0

## HSSE Spiral Flute Taps Series EVO-SF



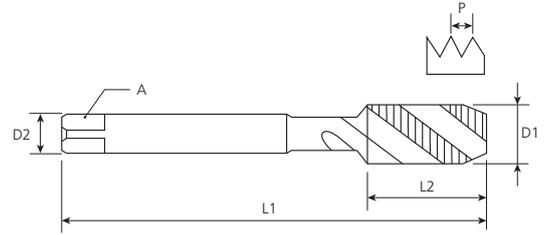
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF-T UNC 7/16-14	UNC 7/16	14	100.0	18.0	8.0	6.2	9.4
EVOSF-T UNC 1/2-13	UNC 1/2	13	110.0	20.0	9.0	7.0	10.75
EVOSF-T UNC 9/16-12	UNC 9/16	12	110.0	20.0	11.0	9.0	12.25
EVOSF-T UNC 5/8-11	UNC 5/8	11	110.0	20.0	12.0	9.0	13.5
EVOSF-T UNC 3/4-10	UNC 3/4	10	125.0	25.0	14.0	11.0	16.5
EVOSF-T UNC 7/8-9	UNC 7/8	9	140.0	25.0	18.0	14.5	19.5
EVOSF-T UNC 1-8	UNC 1	8	160.0	30.0	18.0	14.5	22.25
EVOSF-T UNC 1 1/8-7	UNC 1 1/8	7	180.0	35.0	22.0	18.0	25.0

## HSSE Spiral Point Taps Series EVO-SP



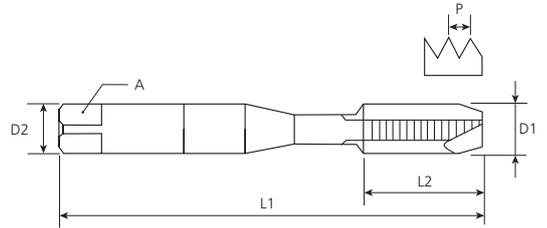
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSP-T UNF 5-44	UNF 5	44	56.0	9.0	2.2		2.7
EVOSP-T UNF 6-40	UNF 6	40	56.0	11.0	2.5	2.1	3.0
EVOSP-T UNF 8-36	UNF 8	36	63.0	12.0	2.8	2.1	3.5
EVOSP-T UNF 10-32	UNF 10	32	70.0	13.0	3.5	2.7	4.1
EVOSP-T UNF 12-28	UNF 12	28	80.0	15.0	4.0	3.0	4.65
EVOSP-T UNF 1/4-28	UNF 1/4	28	80.0	15.0	4.5	3.4	5.5
EVOSP-T UNF 5/16-24	UNF 5/16	24	90.0	18.0	6.0	4.9	6.9
EVOSP-T UNF 3/8-24	UNF 3/8	24	90.0	20.0	7.0	5.5	8.5
EVOSP-T UNF 7/16-20	UNF 7/16	20	100.0	20.0	8.0	6.2	9.9
EVOSP-T UNF 1/2-20	UNF 1/2	20	100.0	21.0	9.0	7.0	11.5
EVOSP-T UNF 9/16-18	UNF 9/16	18	100.0	21.0	11.0	9.0	12.9
EVOSP-T UNF 5/8-18	UNF 5/8	18	100.0	21.0	12.0	9.0	14.5
EVOSP-T UNF 3/4-16	UNF 3/4	16	110.0	24.0	14.0	11.0	17.5
EVOSP-T UNF 7/8-14	UNF 7/8	14	125.0	24.0	18.0	14.5	20.5
EVOSP-T UNF 1-12	UNF 1	12	140.0	26.0	18.0	14.5	23.25

## HSSE Spiral Flute Taps Series EVO-SF



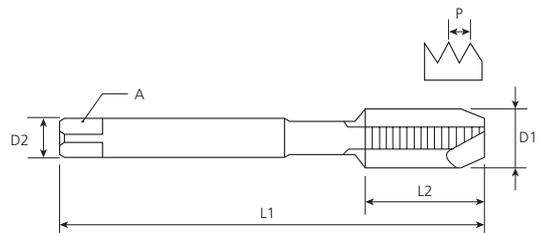
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
EVOSF-T UNF 5-44	UNF 5	44	56.0	5.0	2.2		2.7
EVOSF-T UNF 6-40	UNF 6	40	56.0	7.0	2.5	2.1	3.0
EVOSF-T UNF 8-36	UNF 8	36	63.0	7.0	2.8	2.1	3.5
EVOSF-T UNF 10-32	UNF 10	32	70.0	8.0	3.5	2.7	4.1
EVOSF-T UNF 12-28	UNF 12	28	80.0	10.0	4.0	3.0	4.65
EVOSF-T UNF 1/4-28	UNF 1/4	28	80.0	10.0	4.5	3.4	5.5
EVOSF-T UNF 5/16-24	UNF 5/16	24	90.0	13.0	6.0	4.9	6.9
EVOSF-T UNF 3/8-24	UNF 3/8	24	90.0	15.0	7.0	5.5	8.5
EVOSF-T UNF 7/16-20	UNF 7/16	20	100.0	15.0	8.0	6.2	9.9
EVOSF-T UNF 1/2-20	UNF 1/2	20	100.0	14.0	9.0	7.0	11.5
EVOSF-T UNF 9/16-18	UNF 9/16	18	100.0	16.0	11.0	9.0	12.9
EVOSF-T UNF 5/8-18	UNF 5/8	18	100.0	16.0	12.0	9.0	14.5
EVOSF-T UNF 3/4-16	UNF 3/4	16	110.0	20.0	14.0	11.0	17.5
EVOSF-T UNF 7/8-14	UNF 7/8	14	125.0	20.0	18.0	14.5	20.5
EVOSF-T UNF 1-12	UNF 1	12	140.0	22.0	18.0	14.5	23.25

## HSSE-V3 Spiral Point Taps Series UNI-SP



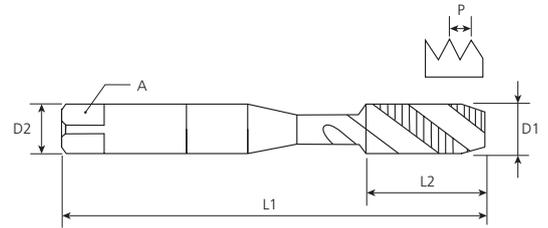
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
UNISP M3X0.5	M3	0.5	56.0	9.0	3.5	2.7	2.5
UNISP M4X0.7	M4	0.7	63.0	12.0	4.5	3.4	3.3
UNISP M5X0.8	M5	0.8	70.0	13.0	6.0	4.9	4.2
UNISP M6X1.0	M6	1.0	80.0	15.0	6.0	4.9	5.0
UNISP M8X1.25	M8	1.25	90.0	18.0	8.0	6.2	6.8
UNISP M10X1.5	M10	1.5	100.0	20.0	10.0	8.0	8.5

## HSSE-V3 Spiral Point Taps Series UNI-SP



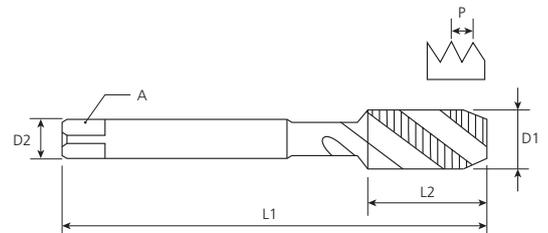
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
UNISP M12X1.75	M12	1.75	110.0	23.0	9.0	7.0	10.2
UNISP M14X2.0	M14	2.0	110.0	25.0	11.0	9.0	12.0
UNISP M16X2.0	M16	2.0	110.0	25.0	12.0	9.0	14.0
UNISP M18X2.5	M18	2.5	125.0	30.0	14.0	11.0	15.5
UNISP M20X2.5	M20	2.5	140.0	30.0	16.0	12.0	17.5

## HSSE-V3 Spiral Flute Taps Series UNI-SF



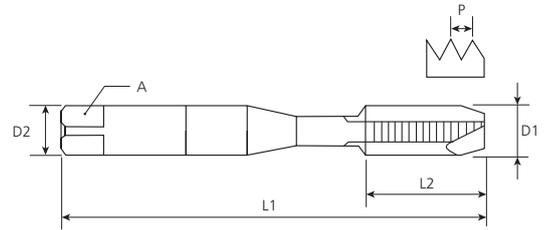
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
UNISF M3X0.5	M3	0.5	56.0	5.0	3.5	2.7	2.5
UNISF M4X0.7	M4	0.7	63.0	7.0	4.5	3.4	3.3
UNISF M5X0.8	M5	0.8	70.0	8.0	6.0	4.9	4.2
UNISF M6X1.0	M6	1.0	80.0	10.0	6.0	4.9	5.0
UNISF M8X1.25	M8	1.25	90.0	13.0	8.0	6.2	6.8
UNISF M10X1.5	M10	1.5	100.0	15.0	10.0	8.0	8.5

## HSSE-V3 Spiral Flute Taps Series UNI-SF



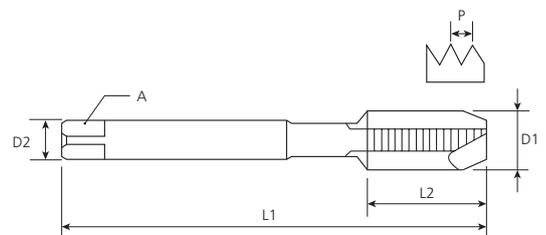
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
UNISF M12X1.75	M12	1.75	110.0	18.0	9.0	7.0	10.2
UNISF M14X2.0	M14	2.0	110.0	20.0	11.0	9.0	12.0
UNISF M16X2.0	M16	2.0	110.0	20.0	12.0	9.0	14.0
UNISF M18X2.5	M18	2.5	125.0	25.0	14.0	11.0	15.5
UNISF M20X2.5	M20	2.5	140.0	25.0	16.0	12.0	17.5

## HSSE-PM Spiral Point Taps Series HP-SP



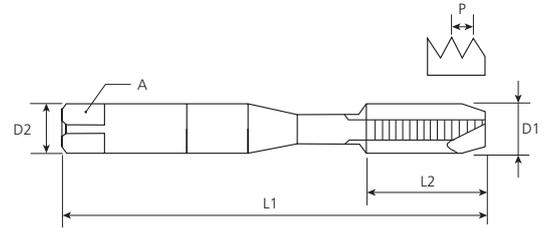
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSP M3X0.5	M3	0.5	56.0	9.0	3.5	2.7	2.5
HPSP M4X0.7	M4	0.7	63.0	12.0	4.5	3.4	3.3
HPSP M5X0.8	M5	0.8	70.0	13.0	6.0	4.9	4.2
HPSP M6X1.0	M6	1.0	80.0	15.0	6.0	4.9	5.0
HPSP M8X1.25	M8	1.25	90.0	18.0	8.0	6.2	6.8
HPSP M10X1.5	M10	1.5	100.0	20.0	10.0	8.0	8.5

## HSSE-PM Spiral Point Taps Series HP-SP



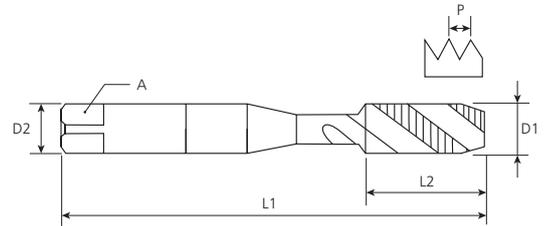
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSP M12X1.75	M12	1.75	110.0	23.0	9.0	7.0	10.2
HPSP M14X2.0	M14	2.0	110.0	25.0	11.0	9.0	12.0
HPSP M16X2.0	M16	2.0	110.0	25.0	12.0	9.0	14.0
HPSP M20X2.5	M20	2.5	140.0	30.0	16.0	12.0	17.5

## HSSE-PM Spiral Point Taps Series HP-SPC



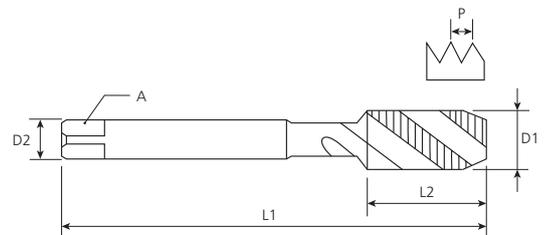
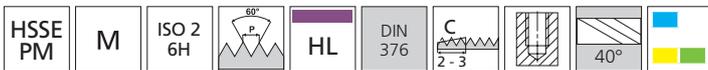
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSPC M6X1.0	M6	1.0	80.0	15.0	6.0	4.9	5.0
HPSPC M8X1.25	M8	1.25	90.0	18.0	8.0	6.2	6.8
HPSPC M10X1.5	M10	1.5	100.0	20.0	10.0	8.0	8.5

## HSSE-PM Spiral Flute Taps Series HP-SF



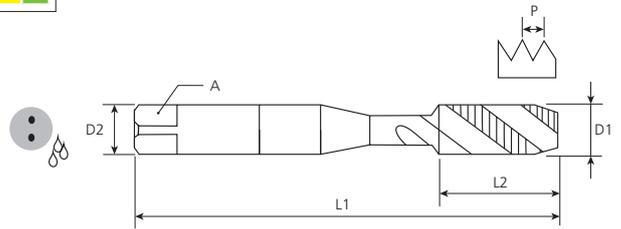
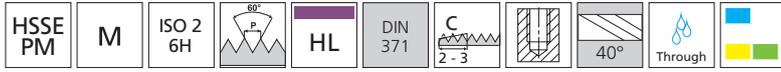
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSF M3X0.5	M3	0.5	56.0	5.0	3.5	2.7	2.5
HPSF M4X0.7	M4	0.7	63.0	7.0	4.5	3.4	3.3
HPSF M5X0.8	M8	0.8	70.0	8.0	6.0	4.9	4.2
HPSF M6X1.0	M6	1.0	80.0	10.0	6.0	4.9	5.0
HPSF M8X1.25	M8	1.25	90.0	13.0	8.0	6.2	6.8
HPSF M10X1.5	M10	1.5	100.0	15.0	10.0	8.0	8.5

## HSSE-PM Spiral Flute Taps Series HP-SF



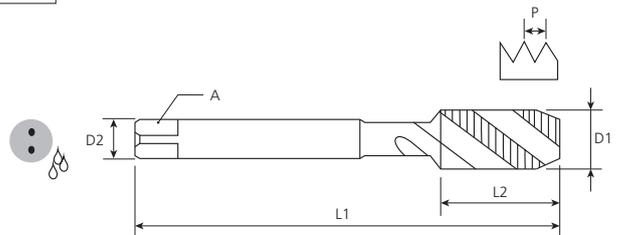
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSF M12X1.75	M12	1.75	110.0	18.0	9.0	7.0	10.2
HPSF M14X2.0	M14	2.0	110.0	20.0	11.0	9.0	12.0
HPSF M16X2.0	M16	2.0	110.0	20.0	12.0	9.0	14.0
HPSF M20X2.5	M20	2.5	140.0	25.0	16.0	12.0	17.5

## HSSE-PM Spiral Flute Taps Series HP-SFC



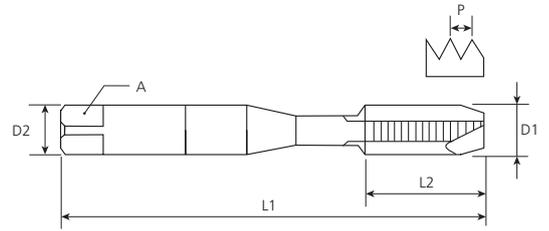
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSFC M6X1.0	M6	1.0	80.0	10.0	6.0	4.9	5.0
HPSFC M8X1.25	M8	1.25	90.0	13.0	8.0	6.2	6.8
HPSFC M10X1.5	M10	1.5	100.0	15.0	10.0	8.0	8.5

## HSSE-PM Spiral Flute Taps Series HP-SFC



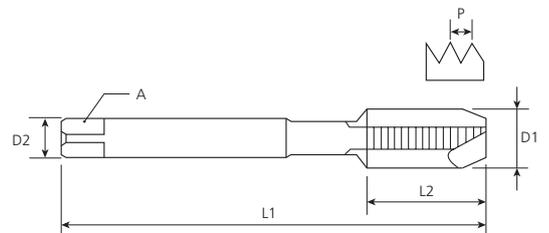
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
HPSFC M12X1.75	M12	1.75	110.0	18.0	9.0	7.0	10.2

## HSSE-PM Spiral Point Taps Series TI-SP



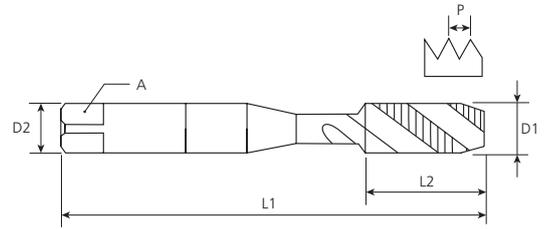
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
TISP-BO M3 X 0.5	M3	0.5	56.0	11.0	3.5	2.7	2.5
TISP-BO M4 X 0.7	M4	0.7	63.0	13.0	4.5	3.4	3.3
TISP-BO M5 X 0.8	M5	0.8	70.0	16.0	6.0	4.9	4.2
TISP-BO M6 X 1	M6	1.0	80.0	19.0	6.0	4.9	5.0
TISP-BO M8 X 1.25	M8	1.25	90.0	22.0	8.0	6.2	6.8
TISP-BO M10 X 1.5	M10	1.5	100.0	24.0	10.0	8.0	8.5

## HSSE-PM Spiral Point Taps Series TI-SP



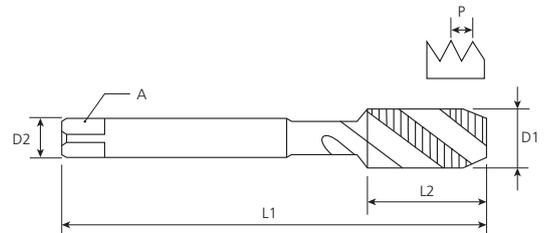
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
TISP-BO M12 X 1.75	M12	1.75	110.0	28.0	9.0	7.0	10.2

## HSSE-PM Spiral Flute Taps Series TI-SF



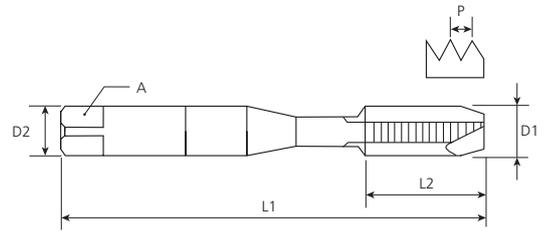
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
TISF-CO M3 X 0.5	M3	0.5	56.0	5.0	3.5	2.7	2.5
TISF-CO M4 X 0.7	M4	0.7	63.0	7.0	4.5	3.4	3.3
TISF-CO M5 X 0.8	M5	0.8	70.0	8.0	6.0	4.9	4.2
TISF-CO M6 X 1	M6	1.0	80.0	10.0	6.0	4.9	5.0
TISF-CO M8 X 1.25	M8	1.25	90.0	13.0	8.0	6.2	6.8
TISF-CO M10 X 1.5	M10	1.5	100.0	15.0	10.0	8.0	8.5

## HSSE-PM Spiral Flute Taps Series TI-SF



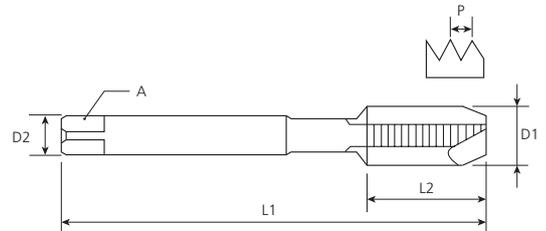
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
TISF-CO M12 X 1.75	M12	1.75	110.0	18.0	9.0	7.0	10.2

## HSSE-PM Spiral Point Taps Series NI-SP



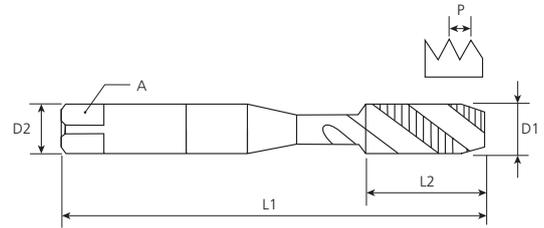
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
NISP-BU M3 X 0.5	M3	0.5	56.0	12.0	3.5	2.7	2.5
NISP-BU M4 X 0.7	M4	0.7	63.0	16.0	4.5	3.4	3.3
NISP-BU M5 X 0.8	M5	0.8	70.0	19.0	6.0	4.9	4.2
NISP-BU M6 X 1	M6	1.0	80.0	23.0	6.0	4.9	5.0
NISP-BU M8 X 1.25	M8	1.25	90.0	30.0	8.0	6.2	6.8
NISP-BU M10 X 1.5	M10	1.5	100.0	38.0	10.0	8.0	8.5

## HSSE-PM Spiral Point Taps Series NI-SP



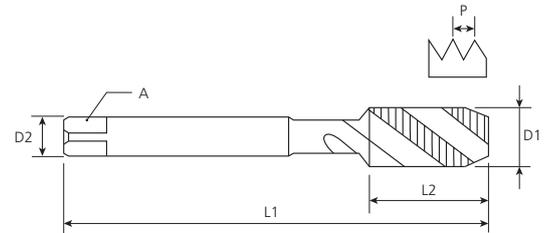
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
NISP-BU M12 X 1.75	M12	1.75	110.0	28.0	9.0	7.0	10.2

## HSSE-PM Spiral Flute Taps Series NI-SF



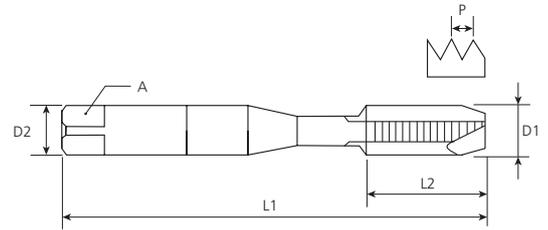
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
NISF-CU M3 X 0.5	M3	0.5	56.0	11.0	3.5	2.7	2.5
NISF-CU M4 X 0.7	M4	0.7	63.0	14.0	4.5	3.4	3.3
NISF-CU M5 X 0.8	M5	0.8	70.0	17.0	6.0	4.9	4.2
NISF-CU M6 X 1	M6	1.0	80.0	21.0	6.0	4.9	5.0
NISF-CU M8 X 1.25	M8	1.25	90.0	28.0	8.0	6.2	6.8
NISF-CU M10 X 1.5	M10	1.5	100.0	35.0	10.0	8.0	8.5

## HSSE-PM Spiral Flute Taps Series NI-SF



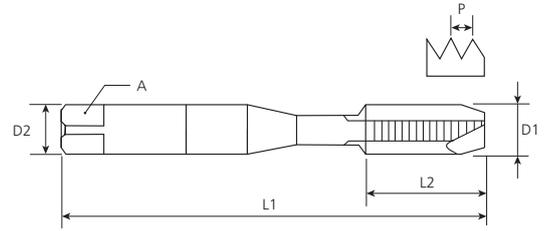
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
NISF-CU M12 X 1.75	M12	1.75	110.0	18.0	9.0	7.0	10.2

## HSSE-PM Roll Taps Series RTG



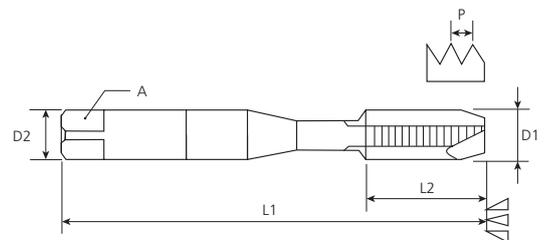
Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
RTG M3-0.5	M3	0.5	56.0	11.0	3.5	2.7	2.8
RTG M4-0.7	M4	0.7	63.0	13.0	4.5	3.4	3.7
RTG M5-0.8	M5	0.8	70.0	16.0	6.0	4.9	4.65
RTG M6-1.0	M6	1.0	80.0	19.0	6.0	4.9	5.55
RTG M8-1.25	M8	1.25	90.0	22.0	8.0	6.2	7.45
RTG M10-1.5	M10	1.5	100.0	24.0	10.0	8.0	9.3
RTG M12-1.75	M12	1.75	110.0	28.0	9.0	7.0	11.2

## HSSE Roll Taps Series NRTG-T



Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
NRTG-T M2 X 0.4	M2	0.4	45.0	8.0	2.8	2.1	1.83
NRTG-T M2.5 X 0.45	M2.5	0.45	50.0	9.0	2.8	2.1	2.33
NRTG-T M3 X 0.5	M3	0.5	56.0	11.0	3.5	2.7	2.8
NRTG-T M3.5 X 0.6	M3.5	0.6	56.0	11.0	4.0	3.0	3.25
NRTG-T M4 X 0.7	M4	0.7	63.0	13.0	4.5	3.4	3.7
NRTG-T M5 X 0.8	M5	0.8	70.0	16.0	6.0	4.9	4.65
NRTG-T M6 X 1.0	M6	1.0	80.0	19.0	6.0	4.9	5.55
NRTG-T M8 X 1.25	M8	1.25	90.0	22.0	8.0	6.2	7.4
NRTG-T M10 X 1.5	M10	1.5	100.0	24.0	10.0	8.0	9.3
NRTG-T M12 X 1.75	M12	1.75	110.0	28.0	9.0	7.0	11.2

## HSSE Roll Taps Series NRTG-CT



Tool No.	D1	Pitch	L1	L2	D2	A	Drill Dia.
NRTG-CT M6 X 1.0	M6	1.0	80.0	19.0	6.0	4.9	5.55
NRTG-CT M8 X 1.25	M8	1.25	90.0	22.0	8.0	6.2	7.4
NRTG-CT M10 X 1.5	M10	1.5	100.0	24.0	10.0	8.0	9.3
NRTG-CT M12 X 1.75	M12	1.75	110.0	28.0	9.0	7.0	11.2

## Series EVO-SP, EVO-SF, UNI-SP, UNI-SF, RTG & NRTG

### Technical Data

Workpiece Material Group		Material Type	EVO-SP	EVO-SF	UNI-SP	UNI-SF	RTG	NRTG
Steels	P	Low Carbon Steels $\leq$ 150HB	6-10	10-12	10-12	8-10	15-25	18-28
		Med Carbon / Alloy Steels 150-240HB	10-15	10-12	10-12	8-10	20-25	18-28
		Med Carbon / Alloy Steels 240-350HB	-	-	4-6	4-6	20-25	18-28
Stainless Steels	M	Free Machining Stainless	-	-	6-10	4-7	-	12-20
		Austenitic Stainless	-	-	6-10	4-7	-	12-20
Cast Irons	K	Grey Cast Iron	-	-	8-10	8-12	-	-
		Ductile Cast Iron	-	-	7-10	7-10	-	-
Non-Ferrous	N	Aluminium Alloys Si <10%	14-20	14-20	12-20	12-20	15-35	20-50
		Aluminium Alloys Si >10%	12-15	12-15	12-20	12-20	15-30	20-50
		Brass / Bronze / Copper	-	-	12-20	12-20	15-30	20-40





Where **high performance** is the **standard**\*



**M.A. Ford Europe Ltd.**

650 City Gate  
London Road, Derby  
DE24 8WY  
United Kingdom

Tel: +44(0) 1332 267960  
Fax: +44(0) 1332 267969  
e-mail: [sales@mafordeurope.com](mailto:sales@mafordeurope.com)  
[www.mafordeurope.com](http://www.mafordeurope.com)

**M.A. Ford® Mfg. Co., Inc.**

7737 Northwest Blvd.  
Davenport,  
IA 52806  
USA

Tel: 563-391-6220 or 800-553-8024  
Fax: 563-386-7660 or 800-892-9522  
e-mail: [sales@maford.com](mailto:sales@maford.com)  
[www.maford.com](http://www.maford.com)

**M.A. Ford® Asia-Pacific Limited**

Room 1709, Level 17  
Millennium City 2  
378 Kwun Tong Road  
Kowloon, Hong Kong

Tel: +852-2167-7150  
Fax: +852-2167-8150  
Email: [sales@mafordap.com](mailto:sales@mafordap.com)