

BaerCoil® Taps



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The BaerCoil® tap dimensions are different in diameter than normal taps. They have a larger diameter than standard taps in order to hold the wire thread insert while maintaining the same dimension. STI- or EG taps are made according to exact standards and in high-performance high-speed steel (HSS or HSSE). If a BaerCoil® thread insert is installed in a correctly cut receiving thread, the required thread tolerance for the installed screw is achieved.



Coatings and surface treatments

Coated taps can be supplied on request. Especially TiN coated taps are on stock.

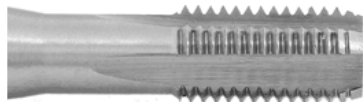
Thread designations

M	ISO metric thread
UNC	Unified National Coarse Thread Series ANSI B1.1
UNF	Unified National Fine Thread Series ANSI B1.1
BSW	British Standard Whitworth Coarse Thread Series BS 84
BSF	British Standard Whitworth Fine Thread Series BS 84
G (BSP)	British Standard Pine Thread DIN ISO 228
BA	British Association Standard Thread BS 93
BSB	British Standard Brass Thread
BSC	British Standard Cycle Thread RS 811
NPT	American Taper Pipe Thread ANSI B1.20.1
8 - UN	Unified Thread Series 8 TPI ANSI B1.1

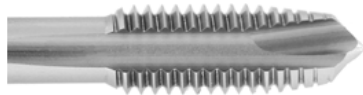
Compatibility

Important: BaerCoil® taps are compatible with wire thread inserts and taps from other manufacturers. They are often called "STI" or "EG" taps.

Tap lead-in chamfer



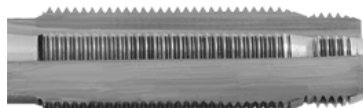
Bottoming tap
chamfer: Form D (3-4 pitches)
for through hole and blind hole



Machine tap
chamfer: Form B (about 4 pitches)
for through hole



Machine tap
chamfer: Form C (2-3 pitches)
for blind hole

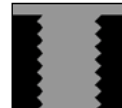


Tap with pilot nose
for thread repair

chip removal



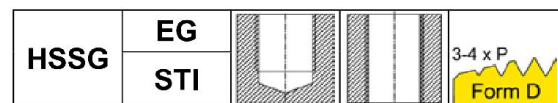
hole type





BaerCoil® Bottoming Taps for Wire Thread Inserts

Bottoming Taps can be used by hand or machine



works standard



M	D1	D2	L1	L2			No.	JC Part No.
M 2 x 0,4	2,52	2,80	44,5	9,5	2,24	2,1	B3001	L2F4402000
M 2,2 x 0,45	2,79	3,15	48,0	11,0	2,50	2,3	B3002	L2F4420200
M 2,5 x 0,45	3,09	3,15	48,0	11,0	2,50	2,6	B3003	L2F4420500
M 3 x 0,5	3,65	4,00	53,0	13,0	3,15	3,2	B3005	L2F4403000
M 3,5 x 0,6	4,28	4,50	53,0	13,0	3,55	3,7	B3006	L2F4430500
M 4 x 0,7	4,91	5,00	58,0	16,0	4,00	4,2	B3007	L2F4404000
M 5 x 0,8	6,04	6,3	66,0	19,0	5,00	5,3	B3008	L2F4405000
M 6 x 0,75	6,98	8,00	72,0	22,0	6,30	6,2	B3071	L2F4406900
M 6 x 1,0	7,30	8,00	72,0	22,0	6,30	6,3	B3009	L2F4406000
M 7 x 1,0	8,30	9,00	72,0	22,0	7,10	7,3	B3010	L2F4407100
M 8 x 0,75	8,90	9,60	77,0	33,0	7,20	8,2	B3072	L2F4408900
M 8 x 1,0	9,30	10,00	80,0	24,0	8,00	8,3	B3012	L2F4408100
M 8 x 1,25	9,62	10,00	80,0	24,0	8,00	8,3	B3011	L2F4408000
M 9 x 1,0	10,30	8,20	90,0	35,0	6,10	9,3	B3073	L2F4409100
M 9 x 1,25	10,62	8,00	85,0	25,0	6,30	9,3	B3013	L2F4409200
M 10 x 1,0	11,30	8,00	85,0	25,0	6,30	10,3	B3017	L2F4410100
M 10 x 1,25	11,62	8,00	85,0	25,0	6,30	10,3	B3016	L2F4410200
M 10 x 1,5	11,95	9,00	89,0	29,0	7,10	10,4	B3015	L2F4410000
M 11 x 1,0	12,25	9,30	86,0	42,0	6,90	11,3	B3074	L2F4411100
M 11 x 1,25	12,62	9,00	89,0	29,0	7,10	11,3	B3075	L2F4411200
M 11 x 1,5	12,95	9,00	89,0	29,0	7,10	11,4	B3018	L2F4411300
M 12 x 1,0	13,30	10,90	91,0	42,0	8,10	12,3	B3023	L2F4412100
M 12 x 1,25	13,62	11,20	95,0	30,0	9,00	12,3	B3022	L2F4412200
M 12 x 1,5	13,95	11,20	95,0	30,0	9,00	12,4	B3021	L2F4412300
M 12 x 1,75	14,27	11,20	95,0	30,0	9,00	12,4	B3020	L2F4412000
M 13 x 1,25	14,62	11,30	95,0	32,0	8,90	13,4	B3076	L2F4413200
M 13 x 1,5	14,95	12,50	102,0	32,0	11,2	13,4	B3077	L2F4413300
M 13 x 1,75	15,25	12,50	102,0	32,0	11,2	13,4	B3078	L2F4413000
M 14 x 1,0	15,30	12,50	102,0	32,0	10,0	14,4	B3030	L2F4414100
M 14 x 1,25	15,57	12,5	102	32	10,0	14,4	B3029	L2F4414200
M 14 x 1,5	15,95	12,5	102	32	10,0	14,5	B3028	L2F4414300
M 14 x 2,0	16,60	12,5	102	32	10,0	14,5	B3027	L2F4414300
M 15 x 1,5	16,95	12,5	102	32	10,0	15,5	B3079	L2F4415300
M 15 x 2,0	17,60	14,0	112	37	11,2	15,5	B3080	L2F4415000
M 16 x 1,5	17,95	14,0	104	29	11,2	16,5	B3034	L2F4416300
M 16 x 2,0	18,60	14,0	112	37	11,2	16,5	B3033	L2F4416000

M	D1	D2	L1	L2			No.	JC Part No.
M 18 x 1,5	19,95	14,0	104	29	11,2	18,5	B3037	L2F4418300
M 18 x 2,0	20,60	16,6	113	51	12,4	18,5	B3036	L2F4418400
M 18 x 2,5	21,25	16,0	118	38	12,5	18,5	B3035	L2F4418000
M 20 x 1,5	21,95	16,0	113	33	12,5	20,5	B3040	L2F4420300
M 20 x 2,0	22,60	16,0	113	33	12,5	20,5	B3039	L2F4420400
M 20 x 2,5	23,25	16,0	118	38	12,5	20,5	B3038	L2F4420000
M 22 x 1,5	23,95	19,3	124	58	14,4	22,5	B3043	L2F4422300
M 22 x 2,0	24,60	20,3	130	64	15,2	22,5	B3042	L2F4422400
M 22 x 2,5	25,25	20,3	130	64	15,2	22,5	B3041	L2F4422000
M 24 x 1,5	26,02	18,0	120	35	14,0	24,5	B3046	L2F4424300
M 24 x 2,0	26,60	20,0	127	37	16,0	24,5	B3045	L2F4424400
M 24 x 3,0	27,90	23,0	138	66	17,0	24,5	B3044	L2F4424000
M 26 x 1,5	27,95	20,0	127	37	16,0	26,5	B3049	L2F4426300
M 27 x 1,5	28,95	20,0	127	37	16,0	27,5	B3052	L2F4427300
M 27 x 2,0	29,60	20,0	127	37	16,0	27,5	B3051	L2F4427400
M 27 x 3,0	30,90	22,4	151	51	18,0	27,5	B3050	L2F4427000
M 28 x 1,5	29,95	20,0	127	37	16,0	28,5	B3053	L2F4428300
M 30 x 1,5	31,95	22,4	137	37	18,0	30,5	B3056	L2F4430300
M 30 x 2,0	32,60	22,4	137	37	18,0	30,5	B3055	L2F4430400
M 30 x 3,0	33,90	22,4	137	37	18,0	30,5	B3081	L2F4430500
M 30 x 3,5	34,55	25,0	162	57	20,0	30,5	B3054	L2F4430000
M 33 x 2,0	35,60	25,0	144	37	20,0	33,5	B3058	L2F4433400
M 33 x 3,5	37,55	25,0	162	57	20,0	33,5	B3057	L2F4433000
M 36 x 1,5	37,95	28,0	150	39	22,4	36,5	B3063	L2F4436300
M 36 x 2,0	38,60	28,0	150	39	22,4	36,5	B3062	L2F4436400
M 36 x 3,0	39,90	28,0	170	60	22,4	36,5	B3061	L2F4436500
M 36 x 4,0	41,20	28,0	170	60	22,4	36,5	B3060	L2F4436000
M 39 x 2,0	41,60	31,5	187	67	25,0	39,5	B3066	L2F4439400
M 39 x 3,0	42,90	31,5	187	67	25,0	39,5	B3065	L2F4439500
M 39 x 4,0	44,20	31,5	187	67	25,0	39,5	B3064	L2F4439000
M 42 x 2,0	44,60	35,5	200	70	28,0	42,5	B3070	L2F4442400
M 42 x 3,0	45,90	35,5	200	70	28,0	42,8	B3069	L2F4442500
M 42 x 4,0	47,20	35,5	200	70	28,0	43,0	B3068	L2F4442600
M 42 x 4,5	47,85	35,5	200	70	28,0	43,0	B3067	L2F4442000
M 52 x 5,0	58,50	40,0	221	76	34,0	53,5	B3082	L2F4452000

