



## DIN 352 M Hand Taps



M (Metric coarse thread ISO DIN 13)

Tol. ISO2/6H

A Hand-Tap-Set includes 3 taps:

Taper tap: 6 - 8-thread chamfer

Second tap: 4 - 5-thread chamfer

Final tap: 2 - 3-thread chamfer

M3 = 98000030

M3, No. 1 = 98000030-1

M3, No. 2 = 98000030-2

M3, No. 3 = 98000030-3



Nominal thread size M	Pitch mm	Thread core hole Ø <sub>1</sub> mm	L <sub>1</sub> mm	L <sub>2</sub> mm	K mm	Code
M 1	0,25	0,75	32	6	2,1	98000010
M 1,1	0,25	0,85	32	6	2,1	98000011
M 1,2	0,25	0,95	32	6	2,1	98000012
M 1,4	0,25	1,15	32	7	2,1	98000014
M 1,6	0,35	1,25	32	8	2,1	98000016
M 1,7	0,35	1,35	32	8	2,1	98000017
M 1,8	0,35	1,45	32	8	2,1	98000018
M 2	0,40	1,60	36	8	2,1	98000020
M 2,2	0,45	1,75	36	9	2,1	98000022
M 2,3	0,40	1,90	36	9	2,1	98000023
M 2,5	0,45	2,05	40	9	2,1	98000025
M 2,6	0,45	2,15	40	9	2,1	98000026
M 3	0,50	2,50	40	11	2,7	98000030
M 3*	0,60	2,40	40	11	2,7	98000030S
M 3,5	0,60	2,90	45	13	3,0	98000035
M 3,5*	0,75	2,75	45	13	3,0	98000035S
M 4	0,70	3,30	45	13	3,4	98000040
M 4,5	0,75	3,75	50	16	4,9	98000045
M 5	0,80	4,20	50	16	4,9	98000050
M 5*	0,90	4,10	50	16	4,9	98000050S
M 5,5	0,90	4,60	50	18	4,9	98000055
M 6	1,00	5,00	50	19	4,9	98000060
M 7	1,00	6,00	50	19	4,9	98000070
M 8	1,25	6,80	56	22	4,9	98000080
M 9	1,25	7,80	63	22	5,5	98000090
M 10	1,50	8,50	70	24	5,5	98000100
M 11	1,50	9,50	70	24	6,2	98000110
M 12	1,75	10,20	75	29	7,0	98000120
M 14	2,00	12,00	80	30	9,0	98000140
M 16	2,00	14,00	80	32	9,0	98000160
M 18	2,50	15,50	95	40	11	98000180
M 20	2,50	17,50	95	40	12	98000200
M 22	2,50	19,50	100	40	14,5	98000220
M 24	3,00	21,00	110	50	14,5	98000240

\* Special Pitch

Nominal thread size M	Pitch mm	Thread core hole Ø <sub>1</sub> mm	L <sub>1</sub> mm	L <sub>2</sub> mm	K mm	Code
M 27	3,00	24,00	110	50	16	98000270
M 30	3,50	26,50	125	56	18	98000300
M 33	3,50	29,50	125	56	20	98000330
M 36	4,00	32,00	150	63	22	98000360
M 39	4,00	35,00	150	63	24	98000390
M 42	4,50	37,50	150	63	24	98000420
M 45	4,50	40,50	160	70	29	98000450
M 48	5,00	43,00	180	75	29	98000480
M 52	5,00	47,00	180	75	32	98000520
M 56	5,50	50,50	200	85	35	98000560
M 60	5,50	54,50	200	85	35	98000600



## DIN 351 BSW Machine Taps

HSS



Ww  
(BSW)

DIN  
351

900  
N/mm<sup>2</sup>



BSW(British standard BS 84 whitworth coarse thread)

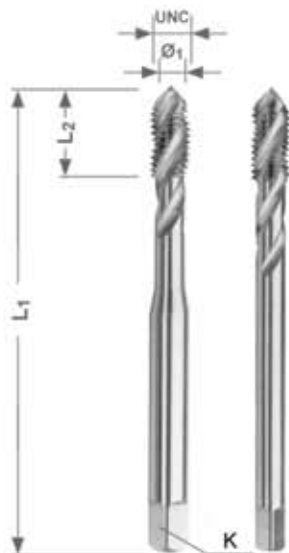
Tol. Medium

Form C straight flutes

Application:

- for general use
- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel

Nominal thread size BSW	Threads per Inch	Thread core hole Ø <sub>1</sub> mm	L <sub>1</sub> mm	L <sub>2</sub> mm	K mm	Code
1/8"	40	2,6	40	12	2,7	980210108
3/16"	24	3,8	50	18	4,9	980210316
1/4"	20	5,1	50	19	4,9	980210104
5/16"	18	6,5	56	22	4,9	980210516
3/8"	16	7,9	70	24	5,5	980210308
7/16"	14	9,3	70	24	6,2	980210716
1/2"	12	10,5	75	29	7,0	980210102
9/16"	12	12,0	80	30	9,0	980210916
5/8"	11	13,5	80	32	9,0	980210508
3/4"	10	16,5	95	40	11,0	980210304
7/8"	9	19,5	100	40	14,5	980210708
1"	8	22,0	110	50	14,5	980211
1" 1/8	7	25,0	132	56	18,0	9802118
1" 1/4	7	28,0	132	56	18,0	98021116
1" 3/8	6	30,5	150	63	22,0	98021124
1" 1/2	6	33,5	150	63	24,0	98021132
1" 5/8	5	35,5	160	70	24,0	98021140
1" 3/4	5	39,0	160	70	29,0	98021148
1" 7/8	4,5	41,5	190	80	29,0	98021156
2"	4,5	44,5	190	80	32,0	980212



## DIN371/376 Form C(spiral flutes) UNC Machine Taps for Blind holes



UNC(Unified coarse thread ANSI B1.1)

Tol. 2B

Application:

- for general use
- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for Blind holes

Nominal thread size UNC	Threads per Inch	Thread core hole Ø <sub>1</sub> mm	L <sub>1</sub> mm	L <sub>2</sub> mm	K mm	Code
<b>DIN 371C</b>						
Nr. 2	56	1,85	45	6	2,1	98013020
Nr. 3	48	2,10	50	7	2,1	98013030
Nr. 4	40	2,30	50	6	2,7	98013040
Nr. 5(1/8")	40	2,60	56	7	2,7	98013050
Nr. 6	32	2,85	56	7	3,0	98013060
Nr. 8	32	3,50	63	8	3,4	98013080
Nr. 10	24	3,90	70	10	4,9	98013100
Nr. 12	24	4,50	70	10	4,9	98013120
1/4"	20	5,20	80	13	5,5	980130104
5/16"	18	6,60	90	14	6,2	980130516
3/8"	16	8,00	100	16	7,0	980130308
<b>DIN 376C</b>						
7/16"	14	9,40	100	22	6,2	980160716
1/2"	13	10,80	110	25	7,0	980160102
9/16"	12	12,20	110	26	9,0	980160916
5/8"	11	13,50	110	27	9,0	980160508
3/4"	10	16,50	125	30	11,0	980160304
7/8"	9	19,50	140	32	14,5	980160708
1"	8	22,25	160	36	16,0	980161
1" 1/4	7	28,25	180	40	18,0	98016116
1" 1/2	6	34,00	200	50	24,0	98016132
1" 3/4	5	39,50	220	65	29,0	98016148
2"	4,5	45,00	250	70	32,0	980162



## DIN371/376 Form B(spiral point) M Machine Taps with oversize



M(Metric coarse thread ISO DIN 13)  
Tol. 6G: threads with larger clearance

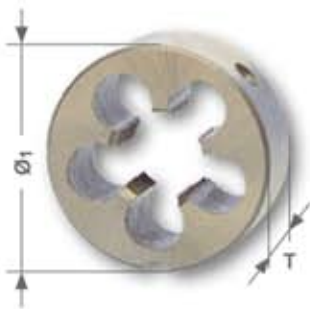
### Application:

- for general use
- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- long chipping material
- for through holes

Nominal thread size M	Pitch mm	Thread core hole Ø <sub>1</sub> mm	L <sub>1</sub> mm	L <sub>2</sub> mm	K mm	Code
<b>DIN 371</b>						
M 2	0,40	1,60	45	6	2,1	98005020
M 2,5	0,45	2,05	50	6	2,1	98005025
M 3	0,50	2,50	56	6	2,7	98005030
M 4	0,70	3,30	63	7	3,4	98005040
M 5	0,80	4,20	70	8	4,9	98005050
M 6	1,00	5,00	80	10	4,9	98005060
M 8	1,25	6,80	90	14	6,2	98005080
M 10	1,50	8,50	100	16	8,0	98005100
<b>DIN 376</b>						
M 12	1,75	10,20	110	18	7,0	98005120
M 14	2,00	12,00	110	20	9,0	98005140
M 16	2,00	14,00	110	22	9,0	98005160
M 18	2,50	15,50	125	25	11,0	98005180
M 20	2,50	17,50	140	25	12,0	98005200



## DIN 223(DIN EN 22568) M Round Dies



M(Metric coarse thread ISO DIN 13)

Tol. 6G

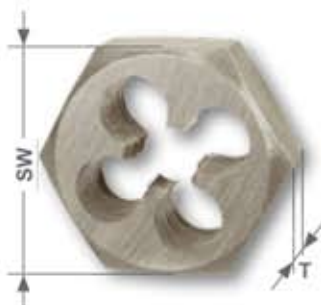
Application:

- for general use
- non abrasive material up to 800 N/mm<sup>2</sup>
- unalloyed and low alloyed steel

Nominal thread size	Pitch mm	Outside Ø <sub>1</sub> mm	Thickness T mm	Code
M				
M 1	0,25	16	5	98200010
M 1,1	0,25	16	5	98200011
M 1,2	0,25	16	5	98200012
M 1,4	0,25	16	5	98200014
M 1,6	0,35	16	5	98200016
M 1,7	0,35	16	5	98200017
M 1,8	0,35	16	5	98200018
M 2	0,40	16	5	98200020
M 2,2	0,45	16	5	98200022
M 2,3	0,40	16	5	98200023
M 2,5	0,45	16	5	98200025
M 2,6	0,45	16	5	98200026
M 3	0,50	20	5	98200030
M 3,5	0,60	20	5	98200035
M 4	0,70	20	5	98200040
M 4,5	0,75	20	7	98200045
M 5	0,80	20	7	98200050
M 5,5	0,90	20	7	98200055
M 6	1,00	20	7	98200060
M 7	1,00	25	9	98200070
M 8	1,25	25	9	98200080

Nominal thread size	Pitch mm	Outside Ø <sub>1</sub> mm	Thickness T mm	Code
M				
M 9	1,25	25	9	98200090
M 10	1,50	30	11	98200100
M 11	1,50	30	11	98200110
M 12	1,75	38	14	98200120
M 14	2,00	38	14	98200140
M 16	2,00	45	18	98200160
M 18	2,50	45	18	98200180
M 20	2,50	45	18	98200200
M 22	2,50	55	22	98200220
M 24	3,00	55	22	98200240
M 27	3,00	65	25	98200270
M 30	3,50	65	25	98200300
M 33	3,50	65	25	98200330
M 36	4,00	65	25	98200360
M 39	4,00	75	30	98200390
M 42	4,50	75	30	98200420
M 45	4,50	90	36	98200450
M 48	5,00	90	36	98200480
M 52	5,00	90	36	98200520
M 56	5,50	105	36	98200560
M 60	5,50	105	36	98200600

## DIN 382 M Hexagon Die Nuts



M(Metric coarse thread ISO DIN 13)

Tol.6G

Application:

- For cleaning and repairing damaged threads and for general use in awkward places.

Nominal thread size	Pitch mm	Outside SW Ø mm	Thickness T mm	Code
M				
M 3	0,50	18	5	98201030
M 4	0,70	18	5	98201040
M 5	0,80	18	7	98201050
M 6	1,00	18	7	98201060
M 8	1,25	21	9	98201080
M 10	1,50	27	11	98201100
M 12	1,75	36	14	98201120
M 14	2,00	36	14	98201140

Nominal thread size	Pitch mm	Outside SW Ø mm	Thickness T mm	Code
M				
M 16	2,00	41	18	98201160
M 18	2,50	41	18	98201180
M 20	2,50	41	18	98201200
M 22	2,50	50	22	98201220
M 24	3,00	50	22	98201240
M 27	3,00	60	25	98201270
M 30	3,50	60	25	98201300