



# DB

**VÖLKEL**  
THREADING SOLUTIONS ■ ■ ■

B1-B68 TAPS

B69-B84 ROUND DIES

B85-B93 TAP AND DIES SET

B94-B98 WIRE THREAD INSERTS

B99-B108 THREAD REPAIR KITS

B109-B18 TAPS





## Tap Holder with Ratchet

for right- and left-hand-turn

all steel quality

## Giramaschi con mandrino

per uso fisso, destro e sinistro

esecuzione acciaio



No.	for Taps	Square mm	Length mm	Weight kg	
1	M 3-10 1/8-3/8	2.4-5.5	85	0,165	10
2	M 5-12 7/32-1/2	4.5-8.0	100	0,310	10
10	M 3-10 1/8-3/8	2.4-5.5	250	0,250	10
20	M 5-12 7/32-1/2	4.5-8.0	300	0,440	10

Jaws and Spring for No. 1 und 10	10
Jaws and Spring for No. 2 und 20	10

## Die Stocks

Inch - with 3 screws

## Portafiliera misura

pollice con 3 vite

دسته جدید



Ø	mm	inch/pollice	Length mm	Weight kg	
13/16"	20.6 x 6.35	13/16 x 1/4	200	0,060	5
1"	25.4 x 9.5	1" x 3/8	224	0,100	5
1.5/16"	33.4 x 11.1	1.5/16 x 7/16	270	0,180	5
1.1/2"	38.1 x 12.7	1.1/2 x 1/2	315	0,320	5
2"	50.8 x 15.9	2" x 5/8	560	0,900	1
2.1/4"	57.1 x 17.5	2.1/4 x 11/16	560	0,900	1
2.1/2"	63.5 x 19.0	2.1/2 x 3/4	630	1,400	1
3"	76.2 x 22.2	3" x 7/8	900	2,200	1
3.1/2"	88.9 x 25.4	3.1/2" x 1"	900	3,300	1
4"	101.6 x 25.4	4" x 1"	1000	3,600	1




## Die Stocks

DIN 225 (DIN EN 22568), Zinc die cast

## Portafilieri

DIN 225 (DIN EN 22568), pressoggetto di zinco



Ø x mm	for round Dies DIN 223 (DIN EN 22568)	Length mm	Weight kg		Art.-No.
16 x 5	M 1-2.6 BSW 1/16-3/32	160	0,050	5	15001
20 x 5	M 3-4 BSW 1/8-5/32	200	0,065	5	15002
20 x 7	M 4.5-6 BSW 3/16-1/4	200	0,065	5	15003
25 x 9	M 7-9 BSW 5/16	224	0,105	5	15004
30 x 11	M 10-11 BSW 3/8-7/16	280	0,190	5	15005
38 x 10	Mf 12-15 G 1/4	315	0,340	5	15006
38 x 14	M 12-14 BSW 1/2-9/16	315	0,340	5	15007
45 x 14	Mf 16-20 G 3/8-1/2	450	0,650	1	15008
45 x 18	M 16-20 BSW 5/8-13/16	450	0,650	1	15009
55 x 16	Mf 22-26 G 5/8-3/4	560	0,900	1	15010
55 x 22	M 22-24 BSW 7/8-1"	560	0,900	1	15011
65 x 18	Mf 27-36 G 7/8-1"	630	1,400	1	15012
65 x 25	M 27-36 BSW 1.1/8-1.3/8	630	1,400	1	15013


## Die Stocks

DIN 225 (DIN EN 22568), **STEEL**

## Portafilieri

DIN 225 (DIN EN 22568), **esecuzione acciaio**



Ø x mm	for round Dies DIN 223 (DIN EN 22568)	Length mm	Weight kg		Art.-No.
45 x 18	M 16-20 BSW 5/8-13/16	450	0,650	1	15209
55 x 22	M 22-24 BSW 7/8-1"	560	0,900	1	15211
65 x 25	M 27-36 BSW 1.1/8-1.3/8	630	1,400	1	15213
75 x 20	Mf 38-42 G 1.1/8-1.1/4	800	2,250	1	15214
75 x 30	M 38-42 BSW 1.1/2-1.5/8	800	2,100	1	15215
90 x 22	Mf 45-52 G 1.3/8-1.5/8	900	3,200	1	15216
90 x 36	M 45-52 BSW 1.3/4-2"	900	3,000	1	15217
105 x 22	Mf 54-63 G 1.3/4-2"	975	3,500	1	15218
105 x 36	M 54-63 BSW 2.1/4"-2.1/2"	975	3,500	1	15219
120 x 22	Mf 64-71 G 2.1/4-2.3/4	956	3,170	1	15220
120 x 36	M 64-71 BSW 2.3/4"	956	3,910	1	15221
130 x 25	G 3"	966	3,505	1	15222
130 x 36		966	4,025	1	15223
140 x 22		976	3,620	1	15224
150 x 25	G 3.1/2"	986	3,950	1	15226
160 x 25	G 4"	996	4,115	1	15228


**Adjustable Tap Wrenches**

DIN 1814 Zinc die cast


**Giramaschi regolabili**

DIN 1814, lega leggera



No.	for Taps	Square mm	Length mm	Weight kg		Art.-No.
0	M 1-8 1/16-1/4	2.0-5.0	130	0,050	5	13000
1	M 1-10 1/16-3/8 G 1/8	2.0-6.3	176	0,095	5	13010
1.1/2	M 1-12 1/16-1/2 G 1/8	2.1-8.0	176	0,120	5	13015
2	M 4-12 5/32-1/2 G 1/8	3.0-9.0	280	0,285	5	13020
3	M 5-20 7/32-3/4 G 1/8-1/2	4.9-12	380	0,660	1	13030
4	M 11-27 7/16-1" G 1/4-3/4	5.5-16	505	1,500	1	13040
5 L	M 13-32 1/2 -1.1/4 G 1/4-1"	7-20	700	1,800	1	13050

**Adjustable Tap Wrenches**DIN 1814, **STEEL****Giramaschi regolabili**DIN 1814, **esecuzione acciaio**

No.	for Taps	Square mm	Length mm	Weight kg		Art.-No.
0	M 1-8 1/16-1/4	2.0-5.0	130	0,050	5	14000
1	M 1-10 1/16-3/8	2.0-6.3	176	0,100	5	14010
1.1/2	M 1-12 1/16-1/2 G 1/8	2.1-8.0	176	0,120	5	14015
2	M 4-12 5/32-1/2 G 1/8	3.0-9.0	280	0,285	5	14020
3	M 5-20 7/32-3/4 G 1/8-1/2	4.9-12	380	0,660	1	14030
4	M 11-27 7/16-1" G 1/4-3/4	5.5-16	500	1,500	1	14040
5	M 13-32 1/2-1.1/4 G 1/4-1"	7-20	700	1,800	1	14050
6	M 18-42 3/4-1.1/2 G 1/2-1.1/4	11-24	1000	2,600	1	14060
7	M 27-52 1.1/8-2" G 3/4-1.3/4	16-32	1250	4,500	1	14070
8	M 27-64 1.1/8"-3" G 3/4-3"	16-40	1250	4,500	1	14080





## Hand Taps

metric ISO-thread DIN 13

## Maschi a mano

filettatura metrica ISO DIN 13



**DIN 352**

**HSS-G**

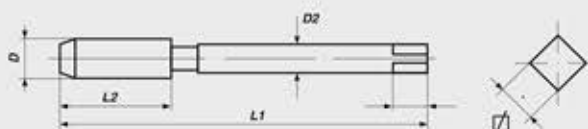
**Tol. ISO2/6H**

**M**

Nominal Diameter D	L 1	L 2	D 2	□	Art.-No.
M 1 x 0.25	32	5.5	2.5	2.1	27302
M 1.1 x 0.25	32	5.5	2.5	2.1	27304
M 1.2 x 0.25	32	5.5	2.5	2.1	27306
M 1.4 x 0.3	32	7.0	2.5	2.1	27308
M 1.6 x 0.35	32	8.0	2.5	2.1	27310
M 1.7 x 0.35	32	8.0	2.5	2.1	27312
M 1.8 x 0.35	32	8.0	2.5	2.1	27314
M 2 x 0.4	36	8.0	2.8	2.1	27316
M 2.2 x 0.45	36	9.0	2.8	2.1	27318
M 2.3 x 0.4	36	9.0	2.8	2.1	27320
M 2.5 x 0.45	40	9.0	2.8	2.1	27322
M 2.6 x 0.45	40	9.0	2.8	2.1	27324
M 3 x 0.5	40	11.0	3.5	2.7	27326
M 3.5 x 0.6	45	13.0	4.0	3.0	27328
M 4 x 0.7	45	13.0	4.5	3.4	27330
M 4.5 x 0.75	50	16.0	6.0	4.9	27332
M 5 x 0.8	50	16.0	6.0	4.9	27334
M 5.5 x 0.9	50	18.0	6.0	4.9	27336
M 6 x 1.0	50	19.0	6.0	4.9	27338
M 7 x 1.0	50	19.0	6.0	4.9	27340
M 8 x 1.25	56	22.0	6.0	4.9	27342
M 9 x 1.25	63	22.0	7.0	5.5	27344
M 10 x 1.5	70	24.0	7.0	5.5	27346
M 11 x 1.5	70	24.0	8.0	6.2	27348
M 12 x 1.75	75	29.0	9.0	7.0	27350
M 14 x 2.0	80	30.0	11.0	9.0	27354
M 15 x 2.0	80	32.0	12.0	9.0	27356
M 16 x 2.0	80	32.0	12.0	9.0	27358
M 18 x 2.5	95	40.0	14.0	11.0	27362
M 20 x 2.5	95	40.0	16.0	12.0	27366
M 22 x 2.5	100	40.0	18.0	14.5	27370
M 24 x 3.0	110	50.0	18.0	14.5	27374
M 27 x 3.0	110	50.0	20.0	16.0	27376
M 30 x 3.5	125	56.0	22.0	18.0	27378
M 33 x 3.5	125	56.0	25.0	20.0	27380
M 36 x 4.0	150	63.0	28.0	22.0	27382
M 39 x 4.0	150	63.0	32.0	24.0	27384
M 42 x 4.5	150	63.0	32.0	24.0	27386
M 45 x 4.5	160	70.0	36.0	29.0	27388
M 48 x 5.0	180	75.0	36.0	29.0	27390
M 52 x 5.0	180	75.0	40.0	32.0	27392
M 56 x 5.5	200	85.0	45.0	35.0	27394
M 60 x 5.5	200	85.0	45.0	35.0	27396
M 64 x 6.0	220	90.0	50.0	39.0	27398
M 68 x 6.0	220	90.0	50.0	39.0	27399

### How to order/esempio come ordinare:

M3 = 27326  
M3, No. 1 = 27326-1  
M3, No. 2 = 27326-2  
M3, No. 3 = 27326-3





## Hand Taps

metric ISO-thread DIN 13

## Maschi a mano

filettatura metrica ISO DIN 13

**DIN 352****HSS-G****Tol. ISO2/6H****M**

Nominal Diameter D	L 1	L 2	D 2	□	Art.-No.
M 72 x 6.0	240	80.0	50.0	39.0	28130
M 76 x 6.0	240	80.0	50.0	39.0	28131
M 80 x 6.0	260	85.0	50.0	39.0	28132
M 84 x 6.0	260	85.0	50.0	39.0	28133
M 88 x 6.0	260	85.0	50.0	39.0	28134
M 90 x 6.0	260	85.0	50.0	39.0	28135
M 92 x 6.0	280	90.0	56.0	44.0	28136
M 96 x 6.0	280	90.0	56.0	44.0	28137
M 100 x 6.0	280	90.0	56.0	44.0	28138

### How to order/esempio come ordinare:

- M3 = 27326
- M3, No. 1 = 27326-1
- M3, No. 2 = 27326-2
- M3, No. 3 = 27326-3





## Hand Taps, *non-serial form*

metric ISO-thread DIN 13

## Maschi a mano, *versione conica*

filettatura metrica ISO DIN 13



DIN 352

HSS-G

Tol. ISO2/6H

M

Nominal Diameter	L 1	L 2	D 2	∅	Art.-No.
M 2 x 0.4	36	8	2.8	2.1	27616
M 2.5 x 0.45	40	9	2.8	2.1	27622
M 3 x 0.5	40	11	3.5	2.7	27626
M 4 x 0.7	45	13	4.5	3.4	27630
M 5 x 0.8	50	16	6.0	4.9	27634
M 6 x 1.0	50	19	6.0	4.9	27638
M 8 x 1.25	56	22	6.0	4.9	27642
M 9 x 1.25	63	22	7.0	5.5	27644
M 10 x 1.5	70	24	7.0	5.5	27646
M 11 x 1.5	70	24	8.0	6.2	27648
M 12 x 1.75	75	29	9.0	7.0	27650
M 13 x 1.75	75	29	9.0	7.0	27652
M 14 x 2.0	80	30	11.0	9.0	27654
M 16 x 2.0	80	32	12.0	9.0	27658
M 18 x 2.5	95	40	14.0	11.0	27662
M 19 x 2.5	95	40	14.0	11.0	27664
M 20 x 2.5	95	40	16.0	12.0	27666
M 22 x 2.5	100	40	18.0	14.5	27670
M 24 x 3.0	110	50	18.0	14.5	27674
M 27 x 3.0	110	50	20.0	16.0	27676
M 30 x 3.5	125	56	22.0	18.0	27678
M 33 x 3.5	125	56	25.0	20.0	27680
M 36 x 4.0	150	63	28.0	22.0	27682
M 39 x 4.0	150	63	32.0	24.0	27684
M 42 x 4.5	150	63	32.0	24.0	27686
M 3 x 0.6	40	11	3.5	2.7	27627
M 4 x 0.75	45	13	4.5	3.4	27631
M 5 x 0.9	50	16	6.0	4.9	27635

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

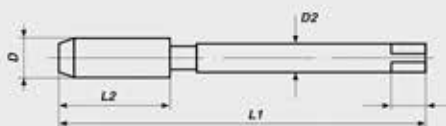
#### How to order/esempio come ordinare:

M3	=	27626
M3, No. 1	=	27626-1
M3, No. 2	=	27626-2
M3, No. 3	=	27626-3

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica fine ISO DIN 13



**DIN 2181**

**HSS-G**

**Tol. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 2.5 x 0.35	40	9	2.8	2.1	26304
M 2.6 x 0.35	40	9	2.8	2.1	26305
M 3 x 0.35	40	9	3.5	2.7	26308
M 3.5 x 0.35	45	10	4.0	3.0	26309
M 4 x 0.35	45	10	4.5	3.4	26310
M 4 x 0.5	45	10	4.5	3.4	26312
M 4.5 x 0.5	50	12	6.0	4.9	26313
M 5 x 0.5	50	12	6.0	4.9	26314
M 5 x 0.75	50	12	6.0	4.9	26316
M 5.5 x 0.5	50	12	6.0	4.9	26315
M 6 x 0.5	50	14	6.0	4.9	26317
M 6 x 0.75	50	14	6.0	4.9	26318
M 7 x 0.5	50	14	6.0	4.9	26319
M 7 x 0.75	50	14	6.0	4.9	26320
M 8 x 0.5	50	19	6.0	4.9	26322
M 8 x 0.75	50	19	6.0	4.9	26324
M 8 x 1.0	56	22	6.0	4.9	26326
M 9 x 0.5	56	19	7.0	5.5	26327
M 9 x 0.75	56	19	7.0	5.5	26328
M 9 x 1.0	63	20	7.0	5.5	26330
M 10 x 0.5	63	20	7.0	5.5	26331
M 10 x 0.75	63	20	7.0	5.5	26332
M 10 x 1.0	63	20	7.0	5.5	26336
M 10 x 1.25	70	24	7.0	5.5	26338
M 11 x 0.75	63	20	8.0	6.2	26339
M 11 x 1.0	63	20	8.0	6.2	26340
M 11 x 1.25	63	22	8.0	6.2	26342
M 12 x 0.5	70	22	9.0	7.0	26345
M 12 x 0.75	70	22	9.0	7.0	26343
M 12 x 1.0	70	22	9.0	7.0	26344
M 12 x 1.25	70	22	9.0	7.0	26346
M 12 x 1.5	70	22	9.0	7.0	26348
M 13 x 0.5	70	22	11.0	9.0	26347
M 13 x 0.75	70	22	11.0	9.0	26349
M 13 x 1.0	70	22	11.0	9.0	26350
M 13 x 1.5	70	22	11.0	9.0	26351
M 14 x 0.5	70	22	11.0	9.0	26355

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

### How to order/eseempio come ordinare:

- M3 x 0.35 = 26308
- M3 x 0.35, No. 1 = 26308-1
- M3 x 0.35, No. 2 = 26308-2

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica fine ISO DIN 13



DIN 2181

HSS-G

Tol. ISO2/6H

Mf

Nominal Diameter D	L 1	L 2	D 2	□	Art.-No.
M 14 x 0.75	70	22	11.0	9.0	26352
M 14 x 1.0	70	22	11.0	9.0	26353
M 14 x 1.25	70	22	11.0	9.0	26354
M 14 x 1.5	70	22	11.0	9.0	26356
M 15 x 0.75	70	22	12.0	9.0	26357
M 15 x 1.0	70	22	12.0	9.0	26358
M 15 x 1.5	70	22	12.0	9.0	26360
M 16 x 0.5	70	22	12.0	9.0	26361
M 16 x 0.75	70	22	12.0	9.0	26363
M 16 x 1.0	70	22	12.0	9.0	26362
M 16 x 1.25	70	22	12.0	9.0	26364
M 16 x 1.5	70	22	12.0	9.0	26366
M 17 x 1.0	70	22	12.0	9.0	26368
M 17 x 1.5	70	22	12.0	9.0	26369
M 18 x 0.5	80	22	14.0	11.0	26367
M 18 x 0.75	80	22	14.0	11.0	26373
M 18 x 1.0	80	22	14.0	11.0	26370
M 18 x 1.25	80	22	14.0	11.0	26371
M 18 x 1.5	80	22	14.0	11.0	26372
M 18 x 2.0	80	22	14.0	11.0	26374
M 19 x 1.0	80	22	14.0	11.0	26375
M 19 x 1.5	80	22	14.0	11.0	26376
M 20 x 0.5	80	22	16.0	12.0	26377
M 20 x 0.75	80	22	16.0	12.0	26379
M 20 x 1.0	80	22	16.0	12.0	26378
M 20 x 1.25	80	22	16.0	12.0	26380
M 20 x 1.5	80	22	16.0	12.0	26384
M 20 x 2.0	80	22	16.0	12.0	26386
M 21 x 1.0	80	22	16.0	12.0	26387
M 21 x 1.5	80	22	16.0	12.0	26388
M 22 x 0.5	80	22	18.0	14.5	26389
M 22 x 0.75	80	22	18.0	14.5	26391
M 22 x 1.0	80	22	18.0	14.5	26390
M 22 x 1.25	80	22	18.0	14.5	26392
M 22 x 1.5	80	22	18.0	14.5	26394
M 22 x 2.0	80	22	18.0	14.5	26396
M 23 x 1.0	80	22	18.0	14.5	26397
M 23 x 1.5	80	22	18.0	14.5	26398
M 24 x 0.5	90	22	18.0	14.5	26501
M 24 x 0.75	90	22	18.0	14.5	26503
M 24 x 1.0	90	22	18.0	14.5	26500
M 24 x 1.25	90	22	18.0	14.5	26502
M 24 x 1.5	90	22	18.0	14.5	26504
M 24 x 2.0	90	22	18.0	14.5	26506
M 25 x 1.0	90	22	18.0	14.5	26507
M 25 x 1.5	90	22	18.0	14.5	26508
M 26 x 1.0	90	22	18.0	14.5	26510
M 26 x 1.5	90	22	18.0	14.5	26512
M 26 x 2.0	90	22	18.0	14.5	26514
M 27 x 1.0	90	22	20.0	16.0	26516



## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica fine ISO DIN 13

**DIN 2181****HSS-G****Tol. ISO2/6H****Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 27 x 1.5	90	22	20.0	16.0	26517
M 27 x 2.0	90	22	20.0	16.0	26518
M 28 x 1.0	90	22	20.0	16.0	26520
M 28 x 1.5	90	22	20.0	16.0	26522
M 28 x 2.0	90	22	20.0	16.0	26524
M 29 x 1.5	90	22	22.0	18.0	26526
M 30 x 1.0	90	22	22.0	18.0	26528
M 30 x 1.5	90	22	22.0	18.0	26530
M 30 x 2.0	90	22	22.0	18.0	26532
M 30 x 2.5	125	56	22.0	18.0	26533
M 30 x 3.0	125	56	22.0	18.0	26534
M 32 x 1.0	90	22	22.0	18.0	26539
M 32 x 1.5	90	22	22.0	18.0	26536
M 32 x 2.0	90	22	22.0	18.0	26535
M 32 x 3.0	125	56	22.0	18.0	26537
M 33 x 1.5	100	25	25.0	20.0	26538
M 33 x 2.0	100	25	25.0	20.0	26540
M 33 x 3.0	125	56	25.0	20.0	26542
M 34 x 1.0	100	25	28.0	22.0	26543
M 34 x 1.5	100	25	28.0	22.0	26544
M 34 x 2.0	125	40	28.0	22.0	26546
M 35 x 1.0	100	25	28.0	22.0	26547
M 35 x 1.5	100	25	28.0	22.0	26548
M 35 x 2.0	125	40	28.0	22.0	26549
M 36 x 1.0	100	25	28.0	22.0	26551
M 36 x 1.5	100	25	28.0	22.0	26550
M 36 x 2.0	125	40	28.0	22.0	26552
M 36 x 3.0	125	40	28.0	22.0	26554
M 37 x 1.5	100	25	28.0	22.0	26553
M 38 x 1.0	100	25	28.0	22.0	26555
M 38 x 1.5	100	25	28.0	22.0	26556
M 38 x 2.0	125	40	28.0	22.0	26557
M 38 x 3.0	125	40	28.0	22.0	26559
M 39 x 1.5	110	25	32.0	24.0	26558
M 39 x 2.0	125	40	32.0	24.0	26560
M 39 x 3.0	125	40	32.0	24.0	26562
M 40 x 1.0	110	25	32.0	24.0	26563
M 40 x 1.5	110	25	32.0	24.0	26564
M 40 x 2.0	125	40	32.0	24.0	26566
M 40 x 3.0	125	40	32.0	24.0	26568
M 42 x 1.0	110	25	32.0	24.0	26569
M 42 x 1.5	110	25	32.0	24.0	26570
M 42 x 2.0	125	40	32.0	24.0	26572
M 42 x 3.0	125	40	32.0	24.0	26574
M 44 x 1.5	110	25	36.0	29.0	26571
M 44 x 2.0	125	40	36.0	29.0	26573
M 45 x 1.0	110	25	36.0	29.0	26575
M 45 x 1.5	110	25	36.0	29.0	26576
M 45 x 2.0	125	40	36.0	29.0	26578
M 45 x 3.0	125	40	36.0	29.0	26580



## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica fine ISO DIN 13



DIN 2181

HSS-G

Tol. ISO2/6H

Mf

Nominal Diameter D	L 1	L 2	D 2	□	Art.-No.
M 46 x 1.5	140	40	36	29.0	26581
M 48 x 1.0	140	40	36	29.0	26583
M 48 x 1.5	140	40	36	29.0	26582
M 48 x 2.0	140	40	36	29.0	26584
M 48 x 3.0	140	40	36	29.0	26586
M 50 x 1.5	140	40	36	29.0	26588
M 50 x 2.0	140	40	36	29.0	26590
M 50 x 3.0	140	40	36	29.0	26592
M 52 x 1.5	140	40	40	32.0	26594
M 52 x 2.0	140	40	40	32.0	26596
M 52 x 3.0	140	40	40	32.0	26598
M 54 x 1.0	140	32	40	32.0	28118
M 54 x 1.5	140	32	40	32.0	28001
M 54 x 2.0	140	36	40	32.0	28002
M 54 x 3.0	140	40	40	32.0	28003
M 54 x 4.0	180	50	40	32.0	28004
M 55 x 1.5	140	32	40	32.0	28005
M 55 x 2.0	140	36	40	32.0	28006
M 55 x 3.0	140	40	40	32.0	28007
M 55 x 4.0	180	50	40	32.0	28008
M 56 x 1.0	140	32	40	32.0	28119
M 56 x 1.5	140	32	40	32.0	28009
M 56 x 2.0	140	36	40	32.0	28010
M 56 x 3.0	140	40	40	32.0	28011
M 56 x 4.0	180	50	40	32.0	28012
M 58 x 1.0	160	32	45	35.0	28120
M 58 x 1.5	160	32	45	35.0	28013
M 58 x 2.0	160	36	45	35.0	28014
M 58 x 3.0	160	40	45	35.0	28015
M 58 x 4.0	200	55	45	35.0	28016
M 60 x 1.5	160	34	45	35.0	28017
M 60 x 2.0	160	36	45	35.0	28018
M 60 x 3.0	160	40	45	35.0	28019
M 60 x 4.0	200	55	45	35.0	28020
M 62 x 1.5	160	34	50	39.0	28021
M 62 x 2.0	160	36	50	39.0	28022
M 62 x 3.0	180	45	50	39.0	28023
M 62 x 4.0	220	55	50	39.0	28024
M 63 x 1.5	160	32	50	39.0	28025
M 64 x 1.5	160	34	50	39.0	28026
M 64 x 2.0	160	36	50	39.0	28027
M 64 x 3.0	180	45	50	39.0	28028
M 64 x 4.0	220	60	50	39.0	28029
M 65 x 1.5	160	34	50	39.0	28030
M 65 x 2.0	160	36	50	39.0	28031
M 65 x 3.0	180	45	50	39.0	28032
M 65 x 4.0	220	60	50	39.0	28033
M 68 x 1.5	160	36	50	39.0	28034
M 68 x 2.0	160	40	50	39.0	28035
M 68 x 3.0	180	50	50	39.0	28036



## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica fine ISO DIN 13

**DIN 2181****HSS-G****Tol. ISO2/6H****Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 68 x 4.0	220	60	50	39.0	28037
M 70 x 1.5	160	36	50	39.0	28038
M 70 x 2.0	160	40	50	39.0	28039
M 70 x 3.0	200	50	50	39.0	28040
M 70 x 4.0	240	60	50	39.0	28041
M 72 x 1.5	160	36	50	39.0	28042
M 72 x 2.0	160	40	50	39.0	28043
M 72 x 3.0	200	50	50	39.0	28044
M 72 x 4.0	240	60	50	39.0	28045
M 74 x 1.5	160	36	50	39.0	28046
M 74 x 2.0	160	40	50	39.0	28047
M 74 x 3.0	200	50	50	39.0	28048
M 74 x 4.0	240	60	50	39.0	28049
M 75 x 1.5	160	36	50	39.0	28050
M 75 x 2.0	160	40	50	39.0	28051
M 75 x 3.0	200	50	50	39.0	28052
M 75 x 4.0	240	60	50	39.0	28053
M 76 x 1.5	160	36	50	39.0	28054
M 76 x 2.0	160	40	50	39.0	28055
M 76 x 3.0	220	50	50	39.0	28056
M 76 x 4.0	260	60	50	39.0	28057
M 78 x 1.5	160	36	50	39.0	28058
M 78 x 2.0	160	40	50	39.0	28059
M 78 x 3.0	220	55	50	39.0	28060
M 78 x 4.0	260	65	50	39.0	28061
M 80 x 1.5	160	36	50	39.0	28062
M 80 x 2.0	160	40	50	39.0	28063
M 80 x 3.0	220	55	50	39.0	28064
M 80 x 4.0	260	65	50	39.0	28065
M 82 x 1.5	160	36	50	39.0	28066
M 82 x 2.0	160	40	50	39.0	28067
M 82 x 3.0	220	55	50	39.0	28068
M 82 x 4.0	260	65	50	39.0	28069
M 84 x 1.5	160	36	50	39.0	28070
M 84 x 2.0	160	40	50	39.0	28071
M 84 x 3.0	220	55	50	39.0	28072
M 84 x 4.0	260	65	50	39.0	28073
M 85 x 1.5	160	36	50	39.0	28074
M 85 x 2.0	160	40	50	39.0	28075
M 85 x 3.0	220	55	50	39.0	28076
M 85 x 4.0	260	65	50	39.0	28077
M 86 x 1.5	160	36	50	39.0	28078
M 86 x 2.0	160	40	50	39.0	28079
M 86 x 3.0	220	55	50	39.0	28080
M 86 x 4.0	260	65	50	39.0	28081
M 88 x 1.5	160	38	50	39.0	28082
M 88 x 2.0	160	40	50	39.0	28083
M 88 x 3.0	220	55	50	39.0	28084
M 88 x 4.0	260	65	50	39.0	28085
M 90 x 1.5	160	38	50	39.0	28086



## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica fine ISO DIN 13



**DIN 2181**

**HSS-G**

**Tol. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 90 x 2.0	160	40	50	39.0	28087
M 90 x 3.0	220	55	50	39.0	28088
M 90 x 4.0	260	65	50	39.0	28089
M 92 x 1.5	180	40	56	44.0	28090
M 92 x 2.0	180	45	56	44.0	28091
M 92 x 3.0	240	60	56	44.0	28092
M 92 x 4.0	280	70	56	44.0	28093
M 95 x 1.5	180	40	56	44.0	28094
M 95 x 2.0	180	45	56	44.0	28095
M 95 x 3.0	240	60	56	44.0	28096
M 95 x 4.0	280	70	56	44.0	28097
M 96 x 1.5	180	40	56	44.0	28098
M 96 x 2.0	180	45	56	44.0	28099
M 96 x 3.0	240	60	56	44.0	28100
M 96 x 4.0	280	70	56	44.0	28101
M 98 x 1.5	180	40	56	44.0	28102
M 98 x 2.0	180	45	56	44.0	28103
M 98 x 3.0	240	60	56	44.0	28104
M 98 x 4.0	280	70	56	44.0	28105
M 100 x 1.5	180	45	56	44.0	28106
M 100 x 2.0	180	50	56	44.0	28107
M 100 x 3.0	240	65	56	44.0	28108
M 100 x 4.0	280	75	56	44.0	28109
M 105 x 1.5	180	45	56	44.0	28110
M 105 x 2.0	180	50	56	44.0	28111
M 105 x 3.0	240	65	56	44.0	28112
M 105 x 4.0	280	75	56	44.0	28113
M 110 x 1.5	180	45	56	44.0	28114
M 110 x 2.0	180	50	56	44.0	28115
M 110 x 3.0	240	65	56	44.0	28116
M 110 x 4.0	280	75	56	44.0	28117



## Hand Taps

Unified Coarse thread ANSI B 1.1

## Maschi a mano

filettatura unificata, serie grossa ANSI B1.1



≈ DIN 352 HSS-G Tol. 2B

## UNC

Nominal Diameter	L 1	L 2	D 2	∅	Art.-No.
UNC Nr. 1 x 64	32	10	2.5	2.1	23301
UNC Nr. 2 x 56	36	11	2.8	2.1	23302
UNC Nr. 3 x 48	36	11	2.8	2.1	23303
UNC Nr. 4 x 40	40	12	3.5	2.7	23304
UNC Nr. 5 x 40	40	12	3.5	2.7	23305
UNC Nr. 6 x 32	45	14	4.0	3.0	23306
UNC Nr. 8 x 32	45	14	4.5	3.4	23308
UNC Nr. 10 x 24	50	16	6.0	4.9	23310
UNC Nr. 12 x 24	50	18	6.0	4.9	23312
UNC 1/4 x 20	50	19	6.0	4.9	23314
UNC 5/16 x 18	56	22	6.0	4.9	23316
UNC 3/8 x 16	70	24	7.0	5.5	23318
UNC 7/16 x 14	70	24	8.0	6.2	23320
UNC 1/2 x 13	75	29	9.0	7.0	23322
UNC 9/16 x 12	80	30	11.0	9.0	23324
UNC 5/8 x 11	80	32	12.0	9.0	23326
UNC 3/4 x 10	95	40	14.0	11.0	23330
UNC 7/8 x 9	100	40	18.0	14.5	23334
UNC 1" x 8	110	50	18.0	14.5	23338
UNC 1.1/8 x 7	132	56	22.0	18.0	23342
UNC 1.1/4 x 7	132	56	22.0	18.0	23346
UNC 1.3/8 x 6	150	63	28.0	22.0	23350
UNC 1.1/2 x 6	150	63	32.0	24.0	23354
UNC 1.5/8 x 5	160	70	32.0	24.0	23358
UNC 1.3/4 x 5	160	70	36.0	29.0	23362
UNC 1.7/8 x 4.1/2	190	80	36.0	29.0	23366
UNC 2" x 4.1/2	190	80	40.0	32.0	23370
UNC 2.1/4 x 4.1/2	220	80	45.0	35.0	23372
UNC 2.1/2 x 4	220	80	50.0	39.0	23374
UNC 2.3/4 x 4	240	80	50.0	39.0	23376
UNC 3" x 4	260	80	50.0	39.0	23378

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

### How to order/esempio come ordinare:

- UNC 1/4 = 23314
- UNC 1/4, No. 1 = 23314-1
- UNC 1/4, No. 2 = 23314-2
- UNC 1/4, No. 3 = 23314-3

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps

Unified Fine thread ANSI B 1.1

## Maschi a mano

filettatura unificata, serie fina ANSI B1.1



≈ DIN 2181 HSS-G Tol. 2B

# UNF

Nominal Diameter D	L 1	L 2	D 2	□	Art.-No.
UNF Nr. 0 x 80	28	8	2.5	2.1	24300
UNF Nr. 1 x 72	32	9	2.8	2.1	24301
UNF Nr. 2 x 64	32	10	2.8	2.1	24302
UNF Nr. 3 x 56	32	10	2.8	2.1	24303
UNF Nr. 4 x 48	36	11	3.5	2.7	24304
UNF Nr. 5 x 44	36	11	3.5	2.7	24305
UNF Nr. 6 x 40	40	12	4.5	3.4	24306
UNF Nr. 8 x 36	40	12	4.5	3.4	24308
UNF Nr. 10 x 32	45	14	6.0	4.9	24310
UNF Nr. 12 x 28	50	14	6.0	4.9	24312
UNF 1/4 x 28	50	18	6.0	4.9	24314
UNF 5/16 x 24	56	22	6.0	4.9	24316
UNF 3/8 x 24	63	22	7.0	5.5	24318
UNF 7/16 x 20	63	22	8.0	6.2	24320
UNF 1/2 x 20	75	24	9.0	7.0	24322
UNF 9/16 x 18	80	28	11.0	9.0	24324
UNF 5/8 x 18	80	28	12.0	9.0	24326
UNF 3/4 x 16	95	32	14.0	11.0	24330
UNF 7/8 x 14	100	36	18.0	14.5	24334
UNF 1" x 12	110	40	18.0	14.5	24338
UNF 1" x 14	110	40	18.0	14.5	24340
UNF 1.1/8 x 12	110	50	22.0	18.0	24342
UNF 1.1/4 x 12	132	56	22.0	18.0	24346
UNF 1.3/8 x 12	132	56	28.0	22.0	24350
UNF 1.1/2 x 12	150	63	32.0	24.0	24354

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

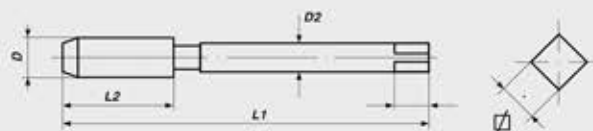
### How to order/esempio come ordinare:

- UNF 1/4 = 24314
- UNF 1/4, No. 1 = 24314-1
- UNF 1/4, No. 3 = 24314-3

### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps

Pipe-thread DIN ISO 228

## Maschi a mano

filettatura per tubi gas DIN ISO 228



**DIN 5157**

**HSS-G**

**G (BSP)**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
G 1/8 x 28	63	20	7	5.5	25312
G 1/4 x 19	70	22	11	9.0	25314
G 3/8 x 19	70	22	12	9.0	25316
G 1/2 x 14	80	22	16	12.0	25318
G 5/8 x 14	80	22	18	14.5	25320
G 3/4 x 14	90	22	20	16.0	25322
G 7/8 x 14	90	22	22	18.0	25324
G 1" x 11	100	25	25	20.0	25326
G 1.1/8 x 11	125	40	28	22.0	25330
G 1.1/4 x 11	125	40	32	24.0	25334
G 1.3/8 x 11	140	40	36	29.0	25338
G 1.1/2 x 11	140	40	36	29.0	25342
G 1.5/8 x 11	140	40	40	32.0	25346
G 1.3/4 x 11	140	40	40	32.0	25350
G 2" x 11	160	40	45	35.0	25354
G 2.1/4 x 11	160	40	50	39.0	25358
G 2.1/2 x 11	160	40	50	39.0	25362
G 2.3/4 x 11	160	40	50	39.0	25366
G 3" x 11	160	40	50	39.0	25370
G 3.1/2 x 11	180	45	56	44.0	25374
G 4" x 11	180	45	56	44.0	25378

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

### How to order/esempio come ordinare:

- G 1/4 = 25314
- G 1/4, No. 1 = 25314-1
- G 1/4, No. 2 = 25314-2

### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps

armoured tube thread DIN 40 430

## Maschi a mano

filettatura per tubi corazzati DIN 40 430



**DIN 40432 HSS-G**

**PG**

Nominal Diameter D	L 1	L 2	D 2	□	Art.-No.
PG 7 x 20	70	22	9.0	7.0	25707
PG 9 x 18	70	22	12.0	9.0	25709
PG 11 x 18	80	22	14.0	11.0	25711
PG 13.5 x 18	80	22	16.0	12.0	25713
PG 16 x 18	80	22	18.0	14.5	25716
PG 21 x 16	90	22	22.0	18.0	25721
PG 29 x 16	100	25	28.0	22.0	25729
PG 36 x 16	140	40	36.0	29.0	25736
PG 42 x 16	140	40	40.0	32.0	25742
PG 48 x 16	160	40	45.0	35.0	25748

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

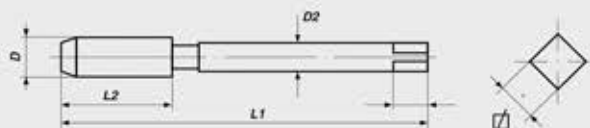
### How to order/esempio come ordinare:

- PG 7 = 25707
- PG 7, No. 1 = 25707-1
- PG 7, No. 2 = 25707-2

### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps

metric ISO-thread DIN 13

## Maschi a mano

filettatura metrica ISO DIN 13



**DIN 352**

**HSS-E**

**Tol. ISO2/6H**

**M**

Nominal Diameter	L 1	L 2	D 2	□	Art.-No.
M 3 x 0.5	40	11	3.5	2.7	57326
M 4 x 0.7	45	13	4.5	3.4	57330
M 5 x 0.8	50	16	6.0	4.9	57334
M 6 x 1.0	50	19	6.0	4.9	57338
M 8 x 1.25	56	22	6.0	4.9	57342
M 10 x 1.5	70	24	7.0	5.5	57346
M 12 x 1.75	75	29	9.0	7.0	57350
M 14 x 2.0	80	30	11.0	9.0	57354
M 16 x 2.0	80	32	12.0	9.0	57358
M 18 x 2.5	95	40	14.0	11.0	57362
M 20 x 2.5	95	40	16.0	12.0	57366
M 22 x 2.5	100	40	18.0	14.5	57370
M 24 x 3.0	110	50	18.0	14.5	57374
M 27 x 3.0	110	50	20.0	16.0	57376
M 30 x 3.5	125	56	22.0	18.0	57378

### Application:

- high cutting ability
- abrasive material
- steels up to 1200 N/mm<sup>2</sup>
- and general use

### How to order/esempio come ordinare:

- M3 = 57326
- M3, No. 1 = 57326-1
- M3, No. 2 = 57326-2
- M3, No. 3 = 57326-3

### Applicazione:

- elevata durata
- materiali di difficile truciolabilità
- Acciaio R fino a 1.200 N/mm<sup>2</sup>
- e per uso universale





## Hand Taps

metric ISO-thread DIN 13

**Rougher piloted**

## Maschi a mano

filettatura metrica ISO DIN 13

**Sgrossatore con guida**



**DIN 352**

**HSS-E**

**Tol. ISO2/6H**

**M**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 3 x 0.5	40	11	3.5	2.7	57726
M 4 x 0.7	45	13	4.5	3.4	57730
M 5 x 0.8	50	16	6.0	4.9	57734
M 6 x 1.0	50	19	6.0	4.9	57738
M 8 x 1.25	56	22	6.0	4.9	57742
M 10 x 1.5	70	24	7.0	5.5	57746
M 12 x 1.75	75	29	9.0	7.0	57750

### Application:

**wear resistant steel up to 1400 N/mm<sup>2</sup>**

- high alloy steel
- heat resistant steel
- stainless steel
- alloy tool steel
- cast iron

Surface treatment: steam tempered

### Applicazione:

**Acciaio ad alta resistenza R a 1.400 N/mm<sup>2</sup>**

- Acciaio alto legato
- Acciaio resistenti al calore
- Acciaio inossidabili
- Acciaio per utensili legato
- Ghisia grigia

Superficie: vaporizzato

### How to order / esempio come ordinare:

- M 3 = 57726
- M 3, No. 1 = 57726-1
- M 3, No. 2 = 57726-2
- M 3, No. 3 = 57726-3





## Hand Taps

metric-fine ISO-thread DIN 13

## Maschi a mano

filettatura metrica ISO DIN 13



**DIN 2181**

**HSS-E**

**ToI. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 6 x 0.75	50	14	6.0	4.9	56318
M 8 x 0.75	50	19	6.0	4.9	56324
M 8 x 1.0	56	22	6.0	4.9	56326
M 10 x 1.0	63	20	7.0	5.5	56336
M 10 x 1.25	70	24	7.0	5.5	56338
M 12 x 1.0	70	22	9.0	7.0	56344
M 12 x 1.25	70	22	9.0	7.0	56346
M 12 x 1.5	70	22	9.0	7.0	56348
M 14 x 1.25	70	22	11.0	9.0	56354
M 14 x 1.5	70	22	11.0	9.0	56356
M 16 x 1.5	70	22	12.0	9.0	56366
M 18 x 1.5	80	22	14.0	11.0	56372
M 18 x 2.0	80	22	14.0	11.0	56374
M 20 x 1.5	80	22	16.0	12.0	56384
M 20 x 2.0	80	22	16.0	12.0	56386
M 22 x 1.5	80	22	18.0	14.5	56394
M 22 x 2.0	80	22	18.0	14.5	56396
M 24 x 1.5	90	22	18.0	14.5	56504

### Application:

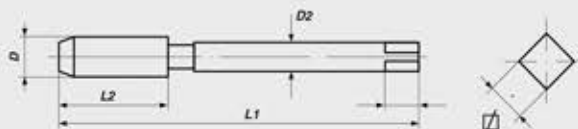
- high cutting ability
- abrasive material
- steels up to 1200 N/mm<sup>2</sup>
- and general use

### Applicazione:

- elevata durata
- materiali di difficile truciolabilità
- Acciaio R fino a 1.200 N/mm<sup>2</sup>
- e per uso universale

### How to order / esempio come ordinare:

M 6 x 0.75 = 56318  
M 6 x 0.75, No. 1 = 56318-1  
M 6 x 0.75, No. 2 = 56318-2





## Hand Taps

Pipe-thread DIN ISO 228

## Maschi a mano

filettatura per tubi gas DIN ISO 228



**DIN 5157**

**HSS-E**

**G (BSP)**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
G 1/8 x 28	63	20	7.0	5.5	55312
G 1/4 x 19	70	22	11.0	9.0	55314
G 3/8 x 19	70	22	12.0	9.0	55316
G 1/2 x 14	80	22	16.0	12.0	55318
G 3/4 x 14	90	22	20.0	16.0	55322
G 1" x 11	100	25	25.0	20.0	55326

### Application:

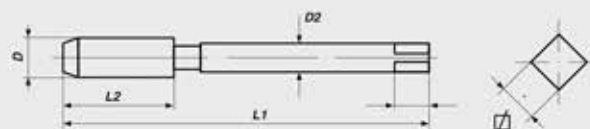
- high cutting ability
- abrasive material
- steels up to 1200 N/mm<sup>2</sup>
- and general use

### Applicazione:

- elevata durata
- materiali di difficile truciolabilità
- Acciaio R fino a 1.200 N/mm<sup>2</sup>
- e per uso universale

### How to order/esempio come ordinare:

- G 1/4 = 55314
- G 1/4, No. 1 = 55314-1
- G 1/4, No. 2 = 55314-2





## Hand Taps, *Left Hand*

metric ISO-thread DIN 13

## Maschi a mano, *filetto sinistro*

filettatura metrica fine ISO DIN 13



**DIN 352 HSS-G Tol. ISO2/6H**

**M**

Nominal Diameter	L 1	L 2	D 2	□	Art.-No.
D					
M 3 x 0.5	40	11	3.5	2.7	27026
M 4 x 0.7	45	13	4.5	3.4	27030
M 5 x 0.8	50	16	6.0	4.9	27034
M 6 x 1.0	50	19	6.0	4.9	27038
M 8 x 1.25	56	22	6.0	4.9	27042
M 10 x 1.5	70	24	7.0	5.5	27046
M 12 x 1.75	75	29	9.0	7.0	27050
M 14 x 2.0	80	30	11.0	9.0	27054
M 16 x 2.0	80	32	12.0	9.0	27058
M 18 x 2.5	95	40	14.0	11.0	27062
M 20 x 2.5	95	40	16.0	12.0	27066
M 22 x 2.5	100	40	18.0	14.5	27070
M 24 x 3.0	110	50	18.0	14.5	27074
M 27 x 3.0	110	50	20.0	16.0	27076
M 30 x 3.5	125	56	22.0	18.0	27078
M 33 x 3.5	125	56	25.0	20.0	27080
M 36 x 4.0	150	63	28.0	22.0	27082
M 39 x 4.0	150	63	32.0	24.0	27084
M 42 x 4.5	150	63	32.0	24.0	27086
M 45 x 4.5	180	70	36.0	29.0	27088
M 48 x 5.0	180	75	36.0	29.0	27090
M 52 x 5.0	180	75	40.0	32.0	27092

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

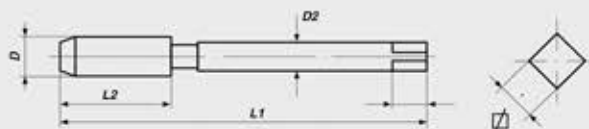
### How to order/esempio come ordinare:

- M3 = 27026
- M3, No. 1 = 27026-1
- M3, No. 2 = 27026-2
- M3, No. 3 = 27026-3

### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps, *Left Hand* metric-fine ISO-thread DIN 13

## Maschi a mano, *filetto sinistro* filettatura metrica fine ISO DIN 13



# Mf

DIN 2181 HSS-G Tol. ISO2/6H

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
M 6 x 0.75	50	14	6.0	4.9	26007
M 8 x 0.75	50	19	6.0	4.9	26010
M 8 x 1.0	56	22	6.0	4.9	26011
M 10 x 1.0	63	20	7.0	5.5	26015
M 10 x 1.25	70	24	7.0	5.5	26016
M 12 x 1.0	70	22	9.0	7.0	26020
M 12 x 1.25	70	22	9.0	7.0	26021
M 12 x 1.5	70	22	9.0	7.0	26022
M 14 x 1.25	70	22	11.0	9.0	26027
M 14 x 1.5	70	22	11.0	9.0	26028
M 16 x 1.0	70	22	12.0	9.0	26031
M 16 x 1.5	70	22	12.0	9.0	26033
M 18 x 1.5	80	22	14.0	11.0	26036
M 20 x 1.5	80	22	16.0	12.0	26040
M 22 x 1.5	80	22	18.0	14.5	26045
M 24 x 1.5	90	22	18.0	14.5	26050
M 24 x 2.0	90	22	18.0	14.5	26051
M 30 x 1.5	90	22	22.0	18.0	26063
M 30 x 2.0	90	22	22.0	18.0	26064

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

### How to order/esempio come ordinare:

- M 6 x 0.75 = 26007
- M 6 x 0.75, No. 1 = 26007-1
- M 6 x 0.75, No. 2 = 26007-2

### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps, *Left Hand*

Unified thread ANSI B 1.1

## Maschi a mano, *filetto sinistro*

filettatura unificata ANSI B1.1



≈ DIN 352 HSS-G Tol. 2B

**UNC / UNF**

Nominal Diameter D	L 1	L 2	D 2	☒	Art.-No.
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### UNC 3-pcs

UNC Nr. 6 x 32	45	14	4.0	3.0	23006
UNC Nr. 8 x 32	45	14	4.5	3.4	23008
UNC Nr. 10 x 24	50	16	6.0	4.9	23010
UNC Nr. 12 x 24	50	18	6.0	4.9	23012
UNC 1/4 x 20	50	19	6.0	4.9	23014
UNC 5/16 x 18	56	22	6.0	4.9	23016
UNC 3/8 x 16	70	24	7.0	5.5	23018
UNC 7/16 x 14	70	24	8.0	6.2	23020
UNC 1/2 x 13	75	29	9.0	7.0	23022
UNC 9/16 x 12	80	30	11.0	9.0	23024
UNC 5/8 x 11	80	32	12.0	9.0	23026
UNC 3/4 x 10	95	40	14.0	11.0	23030
UNC 7/8 x 9	100	40	18.0	14.5	23034
UNC 1" x 8	110	50	18.0	14.5	23038

### UNF 2-pcs

UNF Nr. 10 x 32	45	14	6.0	4.9	24010
UNF 1/4 x 28	50	18	6.0	4.9	24014
UNF 5/16 x 24	56	22	6.0	4.9	24016
UNF 3/8 x 24	63	22	7.0	5.5	24018
UNF 7/16 x 20	63	22	8.0	6.2	24020
UNF 1/2 x 20	75	24	9.0	7.0	24022
UNF 9/16 x 18	80	28	11.0	9.0	24024
UNF 5/8 x 18	80	28	12.0	9.0	24026
UNF 3/4 x 16	95	32	14.0	11.0	24030
UNF 7/8 x 14	100	36	18.0	14.5	24034
UNF 1" x 12	110	40	18.0	14.5	24038

#### Application:

##### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

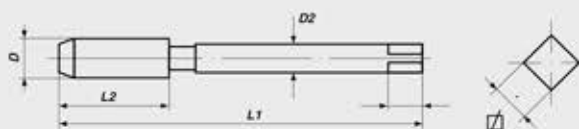
#### How to order/esempio come ordinare:

UNC 1/4 = 23014  
 UNC 1/4, No. 1 = 23014-1  
 UNC 1/4, No. 2 = 23014-2  
 UNC 1/4, No. 3 = 23014-3

#### Applicazione:

##### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Hand Taps, *Left Hand*

Pipe-thread DIN ISO 228

## Maschi a mano, *filetto sinistro*

filettatura per tubi gas DIN ISO 228



**DIN 5157 HSS-G**

**G (BSP)**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
G 1/8 x 28	63	20	7.0	5.5	25012
G 1/4 x 19	70	22	11.0	9.0	25014
G 3/8 x 19	70	22	12.0	9.0	25016
G 1/2 x 14	80	22	16.0	12.0	25018
G 5/8 x 14	80	22	18.0	14.5	25020
G 3/4 x 14	90	22	20.0	16.0	25022
G 1" x 11	100	25	25.0	20.0	25026
G 1.1/8 x 11	125	40	28.0	22.0	25030
G 1.1/4 x 11	125	40	32.0	24.0	25034
G 1.3/8 x 11	140	40	36.0	29.0	25038
G 1.1/2 x 11	140	40	36.0	29.0	25042
G 1.3/4 x 11	140	40	40.0	32.0	25050
G 2" x 11	160	40	45.0	35.0	25054

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through and blind holes
- for thread cutting by hand

#### How to order/esempio come ordinare:

- G 1/4 = 25014
- G 1/4, No. 1 = 25014-1
- G 1/4, No. 2 = 25014-2

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Fori passanti e ciechi
- Uso manuale





## Short Machine Taps

Pipe-thread DIN ISO 228

## Maschi a macchina corti

filettatura per tubi gas DIN ISO 228



**DIN 5157 Form D HSS-G**

**G (BSP)**

Nominal Diameter	L 1	L 2	D 2	Ø	Art.-No.
S					
G 1/8 x 28	63	20	7	5.5	65312
G 1/4 x 19	70	22	11	9.0	65314
G 3/8 x 19	70	22	12	9.0	65316
G 1/2 x 14	80	22	16	12.0	65318
G 3/4 x 14	90	22	20	16.0	65322
G 1" x 11	100	25	25	20.0	65326
G 1.1/4 x 11	125	40	32	24.0	65334
G 1.1/2 x 11	140	40	36	29.0	65342
G 1.3/4 x 11	140	40	40	32.0	65350
G 2" x 11	160	40	45	35.0	65354
G 2.1/4 x 11	160	40	50	39.0	65358
G 2.1/2 x 11	160	40	50	39.0	65362
G 2.3/4 x 11	160	40	50	39.0	65366
G 3" x 11	160	40	50	39.0	65370
G 3.1/2 x 11	180	45	56	44.0	65374
G 4" x 11	180	45	56	44.0	65378

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for through holes
- for thread cutting by hand and machine

### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti
- per uso manuale e con macchina





## Short Machine Taps

tapered pipe thread, taper 1:16, con. 55°

## Maschi a macchina corti

filettatura conica per tubi, cono 1:16



## HSS-G

## Rc (BSPT)

Nominal Diameter S	L 1	L 2	D 2	∅	Art.-No.
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### Form C

PT 1/8 x 28	65	19.0	7.0	5.5	63712
PT 1/4 x 19	70	25.0	11.0	9.0	63714
PT 3/8 x 19	75	26.0	12.0	9.0	63716
PT 1/2 x 14	80	31.0	16.0	12.0	63718
PT 3/4 x 14	100	33.0	20.0	16.0	63722
PT 1" x 11	110	38.0	25.0	20.0	63726

### Form B, Spiral Point / con imbocco corretto

PT 1/16 x 28	55	17.5	8.0	6.0	97502
PT 1/8 x 28	55	19.0	8.0	6.0	97506
PT 1/4 x 19	62	28.0	11.0	9.0	97514
PT 3/8 x 19	65	28.0	14.0	11.0	97518
PT 1/2 x 14	80	35.0	18.0	14.0	97522
PT 3/4 x 14	85	35.0	23.0	17.0	97530
PT 1" x 11	95	45.0	26.0	21.0	97538
PT 1.1/4 x 11	105	45.0	32.0	26.0	97546
PT 1.1/2 x 11	110	45.0	38.0	29.0	97554
PT 2" x 11	120	50.0	46.0	35.0	97570

### Form C, 35° Spiral Flute / spirale destra a 35°

PT 1/16 x 28	55	17.5	8.0	6.0	97702
PT 1/8 x 28	55	19.0	8.0	6.0	97706
PT 1/4 x 19	62	28.0	11.0	9.0	97714
PT 3/8 x 19	65	28.0	14.0	11.0	97718
PT 1/2 x 14	80	35.0	18.0	14.0	97722
PT 3/4 x 14	85	35.0	23.0	17.0	97730
PT 1" x 11	95	45.0	26.0	21.0	97738
PT 1.1/4 x 11	105	45.0	32.0	26.0	97746
PT 1.1/2 x 11	110	45.0	38.0	29.0	97754
PT 2" x 11	120	50.0	46.0	35.0	97770

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for thread cutting by hand and machine

**Form C:** for through and blind holes

**Spiral Point:** for through holes

**Spiral Flute:** for blind holes

### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per uso manuale e con macchina

**Forma C:** per fori passanti e ciechi

**Forma B:** per fori passanti

**35° RSP:** per fori ciechi





## Short Machine Taps

american tapered pipe thread, taper 1:16

## Maschi a macchina corti

filettatura americana conica per tubi, cono 1:16



## HSS-G

## NPT

Nominal Diameter	L 1	L 2	D 2	Ø	Art.-No.
S					

### Form C

NPT 1/16 x 27	65	19	7	5.5	63510
NPT 1/8 x 27	65	19	7	5.5	63512
NPT 1/4 x 18	70	25	11	9.0	63514
NPT 3/8 x 18	75	26	12	9.0	63516
NPT 1/2 x 14	80	31	16	12.0	63518
NPT 3/4 x 14	100	33	20	16.0	63522
NPT 1" x 11.5	110	38	25	20.0	63526
NPT 1.1/4 x 11.5	125	41	32	24.0	63534
NPT 1.1/2 x 11.5	140	42	36	29.0	63542
NPT 2" x 11.5	160	44	36	29.0	63554

### Form B, Spiral Point / con imbocco corretto

NPT 1/16 x 27	55	17.5	8.0	6.0	98502
NPT 1/8 x 27	55	19.0	8.0	6.0	98506
NPT 1/4 x 18	62	28.0	11.0	9.0	98514
NPT 3/8 x 18	65	28.0	14.0	11.0	98518
NPT 1/2 x 14	80	35.0	18.0	14.0	98522
NPT 3/4 x 14	85	35.0	23.0	17.0	98530
NPT 1" x 11.5	95	45.0	26.0	21.0	98538
NPT 1.1/4 x 11.5	105	45.0	32.0	26.0	98546
NPT 1.1/2 x 11.5	110	45.0	38.0	29.0	98554
NPT 2" x 11.5	120	50.0	46.0	35.0	98570

### Form C, 35° Spiral Flute / spirale destra a 35°

NPT 1/16 x 27	55	17.5	8.0	6.0	98702
NPT 1/8 x 27	55	19.0	8.0	6.0	98706
NPT 1/4 x 18	62	28.0	11.0	9.0	98714
NPT 3/8 x 18	65	28.0	14.0	11.0	98718
NPT 1/2 x 14	80	35.0	18.0	14.0	98722
NPT 3/4 x 14	85	35.0	23.0	17.0	98730
NPT 1" x 11.5	95	45.0	26.0	21.0	98738
NPT 1.1/4 x 11.5	105	45.0	32.0	26.0	98746
NPT 1.1/2 x 11.5	110	45.0	38.0	29.0	98754
NPT 2" x 11.5	120	50.0	46.0	35.0	98770

### Application:

#### for general use

- non abrasive material up to 900 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- for thread cutting by hand and machine

**Form C:** for through and blind holes

**Spiral Point:** for through holes

**Spiral Flute:** for blind holes

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per uso manuale e con macchina

**Forma C:** per fori passanti e ciechi

**Forma B:** per fori passanti

**35° RSP:** per fori ciechi





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica ISO DIN 13

DIN 371

DIN 376



**DIN 371/376 Form C HSS-E Tol. ISO2/6H**

# M

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 2 x 0.4	45	8	2.8	2.1	37416
M 2.3 x 0.4	45	9	2.8	2.1	37418
M 2.5 x 0.45	50	9	2.8	2.1	37422
M 2.6 x 0.45	50	9	2.8	2.1	37424
M 3 x 0.5	56	11	3.5	2.7	37426
M 3.5 x 0.6	56	13	4.0	3.0	37428
M 4 x 0.7	63	13	4.5	3.4	37430
M 5 x 0.8	70	16	6.0	4.9	37434
M 6 x 1.0	80	19	6.0	4.9	37438
M 7 x 1.0	80	19	7.0	5.5	37440
M 8 x 1.25	90	22	8.0	6.2	37442
M 10 x 1.5	100	24	10.0	8.0	37446
<b>DIN 376</b>					
M 3 x 0.5	56	11	2.2	—	38426
M 4 x 0.7	63	13	2.8	2.1	38430
M 5 x 0.8	70	16	3.5	2.7	38434
M 6 x 1.0	80	19	4.5	3.4	38438
M 8 x 1.25	90	22	6.0	4.9	38442
M 10 x 1.5	100	24	7.0	5.5	38446
M 11 x 1.5	100	24	8.0	6.2	38448
M 12 x 1.75	110	29	9.0	7.0	38450
M 14 x 2.0	110	30	11.0	9.0	38454
M 16 x 2.0	110	32	12.0	9.0	38458
M 18 x 2.5	125	34	14.0	11.0	38462
M 20 x 2.5	140	34	16.0	12.0	38466
M 22 x 2.5	140	34	18.0	14.5	38470
M 24 x 3.0	160	38	18.0	14.5	38474
M 27 x 3.0	160	38	20.0	16.0	38476
M 30 x 3.5	180	45	22.0	18.0	38478
M 33 x 3.5	180	50	25.0	20.0	38480
M 36 x 4.0	200	56	28.0	22.0	38482
M 39 x 4.0	200	60	32.0	24.0	38484
M 42 x 4.5	200	60	32.0	24.0	38486
M 45 x 4.5	220	65	36.0	29.0	38488
M 48 x 5.0	250	70	36.0	29.0	38490
M 52 x 5.0	250	70	40.0	32.0	38492
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47814

### Application:

#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti e ciechi





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica ISO DIN 13



DIN 371

Form B

HSS-E

Tol. ISO2/6H

M

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 1 x 0.25	40	5	2.5	2.1	37502
M 1.1 x 0.25	40	5	2.5	2.1	37504
M 1.2 x 0.25	40	5	2.5	2.1	37506
M 1.4 x 0.3	40	7	2.5	2.1	37508
M 1.6 x 0.35	40	8	2.5	2.1	37510
M 1.7 x 0.35	40	8	2.5	2.1	37512
M 1.8 x 0.35	40	8	2.5	2.1	37514
M 2 x 0.4	45	8	2.8	2.1	37516
M 2.5 x 0.45	50	9	2.8	2.1	37522
M 3 x 0.5	56	11	3.5	2.7	37526
M 3.5 x 0.6	56	13	4.0	3.0	37528
M 4 x 0.7	63	13	4.5	3.4	37530
M 5 x 0.8	70	16	6.0	4.9	37534
M 6 x 1.0	80	19	6.0	4.9	37538
M 7 x 1.0	80	19	7.0	5.5	37540
M 8 x 1.25	90	22	8.0	6.2	37542
M 10 x 1.5	100	24	10.0	8.0	37546

### TIN

M 3 x 0.5	56	11	3.5	2.7	31526
M 4 x 0.7	63	13	4.5	3.4	31530
M 5 x 0.8	70	16	6.0	4.9	31534
M 6 x 1.0	80	19	6.0	4.9	31538
M 8 x 1.25	90	22	8.0	6.2	31542
M 10 x 1.5	100	24	10.0	8.0	31546

### VAP

M 3 x 0.5	56	11	3.5	2.7	31570
M 4 x 0.7	63	13	4.5	3.4	31571
M 5 x 0.8	70	16	6.0	4.9	31572
M 6 x 1.0	80	19	6.0	4.9	31573
M 8 x 1.25	90	22	8.0	6.2	31574
M 10 x 1.5	100	24	10.0	8.0	31575

#### Application:

##### for general use

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

##### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

#### Applicazione:

##### per uso universale

- Materiali con buona trucidabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti

##### rivestimento TIN

- migliore resistenza all'abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica ISO DIN 13



**DIN 376**

**Form B**

**HSS-E**

**Tol. ISO2/6H**

**M**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 3 x 0.5	56	11	2.2	—	38526
M 4 x 0.7	63	13	2.8	2.1	38530
M 5 x 0.8	70	16	3.5	2.7	38534
M 6 x 1.0	80	19	4.5	3.4	38538
M 8 x 1.25	90	22	6.0	4.9	38542
M 9 x 1.25	90	22	7.0	5.5	38544
M 10 x 1.5	100	24	7.0	5.5	38546
M 12 x 1.75	110	29	9.0	7.0	38550
M 14 x 2.0	110	30	11.0	9.0	38554
M 16 x 2.0	110	32	12.0	9.0	38558
M 18 x 2.5	125	34	14.0	11.0	38562
M 20 x 2.5	140	34	16.0	12.0	38566
M 22 x 2.5	140	34	18.0	14.5	38570
M 24 x 3.0	160	38	18.0	14.5	38574
M 27 x 3.0	160	38	20.0	16.0	38576
M 30 x 3.5	180	45	22.0	18.0	38578
M 33 x 3.5	180	50	25.0	20.0	38580
M 36 x 4.0	200	56	28.0	22.0	38582
M 39 x 4.0	200	60	32.0	24.0	38584
M 42 x 4.5	200	60	32.0	24.0	38586
M 45 x 4.5	220	65	36.0	29.0	38588
M 48 x 5.0	250	70	36.0	29.0	38590
M 52 x 5.0	250	70	40.0	32.0	38592

### TIN

M 12 x 1.75	110	29	9.0	7.0	31550
M 14 x 2.0	110	30	11.0	9.0	31554
M 16 x 2.0	110	32	12.0	9.0	31558
M 18 x 2.5	125	34	14.0	11.0	31562
M 20 x 2.5	140	34	16.0	12.0	31566

### VAP

M 12 x 1.75	110	29	9.0	7.0	31576
M 14 x 2.0	110	30	11.0	9.0	31577
M 16 x 2.0	110	32	12.0	9.0	31578
M 18 x 2.5	125	34	14.0	11.0	31579
M 20 x 2.5	140	34	16.0	12.0	31580

#### Application:

##### for general use

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

##### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

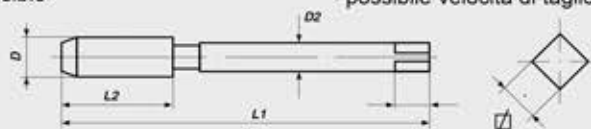
#### Applicazione:

##### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti

##### rivestimento TIN

- migliore resistenza all' abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica ISO DIN 13



**DIN 371**

**Form C/35°RSP**

**HSS-E**

**Tol. ISO2/6H**

**M**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 1 x 0.25	40	4	2.5	2.1	37702
M 1.1 x 0.25	40	4	2.5	2.1	37704
M 1.2 x 0.25	40	4	2.5	2.1	37706
M 1.4 x 0.3	40	5	2.5	2.1	37708
M 1.6 x 0.35	40	6	2.5	2.1	37710
M 1.7 x 0.35	40	6	2.5	2.1	37712
M 1.8 x 0.35	40	6	2.5	2.1	37714
M 2 x 0.4	45	6	2.8	2.1	37716
M 2.5 x 0.45	50	6	2.8	2.1	37722
M 3 x 0.5	56	6	3.5	2.7	37726
M 3.5 x 0.6	56	6	4.0	3.0	37728
M 4 x 0.7	63	7	4.5	3.4	37730
M 5 x 0.8	70	8	6.0	4.9	37734
M 6 x 1.0	80	10	6.0	4.9	37738
M 7 x 1.0	80	12	7.0	5.5	37740
M 8 x 1.25	90	14	8.0	6.2	37742
M 10 x 1.5	100	16	10.0	8.0	37746

### TIN

M 3 x 0.5	56	6	3.5	2.7	31726
M 4 x 0.7	63	7	4.5	3.4	31730
M 5 x 0.8	70	8	6.0	4.9	31734
M 6 x 1.0	80	10	6.0	4.9	31738
M 8 x 1.25	90	14	8.0	6.2	31742
M 10 x 1.5	100	16	10.0	8.0	31746

### VAP

M 3 x 0.5	56	6	3.5	2.7	31770
M 4 x 0.7	63	7	4.5	3.4	31771
M 5 x 0.8	70	8	6.0	4.9	31772
M 6 x 1.0	80	10	6.0	4.9	31773
M 8 x 1.25	90	14	8.0	6.2	31774
M 10 x 1.5	100	16	10.0	8.0	31775

#### Application: for general use

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

#### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

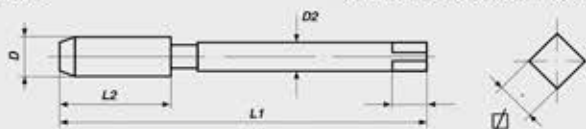
#### Applicazione:

#### per uso universale

- Materiali con buona trucidabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi

#### rivestimento TIN:

- migliore resistenza all' abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica ISO DIN 13



DIN 376

Form C/35°RSP

HSS-E

Tol. ISO2/6H

M

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 3 x 0.5	56	6	2.2	—	38726
M 4 x 0.7	63	7	2.8	2.1	38730
M 5 x 0.8	70	8	3.5	2.7	38734
M 6 x 1.0	80	10	4.5	3.4	38738
M 8 x 1.25	90	14	6.0	4.9	38742
M 10 x 1.5	100	16	7.0	5.5	38746
M 12 x 1.75	110	18	9.0	7.0	38750
M 14 x 2.0	110	20	11.0	9.0	38754
M 16 x 2.0	110	22	12.0	9.0	38758
M 18 x 2.5	125	25	14.0	11.0	38762
M 20 x 2.5	140	25	16.0	12.0	38766
M 22 x 2.5	140	27	18.0	14.5	38770
M 24 x 3.0	160	30	18.0	14.5	38774
M 27 x 3.0	160	30	20.0	16.0	38776
M 30 x 3.5	180	35	22.0	18.0	38778
M 33 x 3.5	180	35	25.0	20.0	38780
M 36 x 4.0	200	40	28.0	22.0	38782
M 39 x 4.0	200	40	32.0	24.0	38784
M 42 x 4.5	200	45	32.0	24.0	38786
M 45 x 4.5	220	45	36.0	29.0	38788
M 48 x 5.0	250	50	36.0	29.0	38790
M 52 x 5.0	250	50	40.0	32.0	38792

### TIN

M 12 x 1.75	110	18	9.0	7.0	31750
M 14 x 2.0	110	20	11.0	9.0	31754
M 16 x 2.0	110	22	12.0	9.0	31758
M 18 x 2.5	125	25	14.0	11.0	31762
M 20 x 2.5	140	25	16.0	12.0	31766

### VAP

M 12 x 1.75	110	18	9.0	7.0	31776
M 14 x 2.0	110	20	11.0	9.0	31777
M 16 x 2.0	110	22	12.0	9.0	31778
M 18 x 2.5	125	25	14.0	11.0	31779
M 20 x 2.5	140	25	16.0	12.0	31780

#### Application: for general use

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

#### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

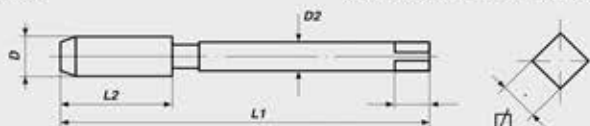
#### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi

#### rivestimento TIN

- migliore resistenza all'abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## Machine Taps

metric-fine ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13

**DIN 374****Form C****HSS-E****Tol. ISO2/6H****Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 4 x 0.35	63	10	2.8	2.1	39402
M 5 x 0.5	70	12	3.5	2.7	39404
M 6 x 0.75	80	14	4.5	3.4	39407
M 8 x 0.75	80	19	6.0	4.9	39410
M 8 x 1.0	90	22	6.0	4.9	39411
M 10 x 1.0	90	20	7.0	5.5	39415
M 10 x 1.25	100	24	7.0	5.5	39416
M 12 x 1.0	100	22	9.0	7.0	39420
M 12 x 1.25	100	22	9.0	7.0	39421
M 12 x 1.5	100	22	9.0	7.0	39422
M 14 x 1.0	100	22	11.0	9.0	39426
M 14 x 1.25	100	22	11.0	9.0	39427
M 14 x 1.5	100	22	11.0	9.0	39428
M 16 x 1.0	100	22	12.0	9.0	39431
M 16 x 1.5	100	22	12.0	9.0	39433
M 18 x 1.0	110	25	14.0	11.0	39434
M 18 x 1.5	110	25	14.0	11.0	39436
M 18 x 2.0	125	34	14.0	11.0	39437
M 20 x 1.0	125	25	16.0	12.0	39438
M 20 x 1.25	125	25	16.0	12.0	39439
M 20 x 1.5	125	25	16.0	12.0	39440
M 20 x 2.0	140	34	16.0	12.0	39441
M 22 x 1.0	125	25	18.0	14.5	39443
M 22 x 1.5	125	25	18.0	14.5	39445
M 22 x 2.0	140	34	18.0	14.5	39446
M 24 x 1.0	140	28	18.0	14.5	39448
M 24 x 1.5	140	28	18.0	14.5	39450
M 24 x 2.0	140	28	18.0	14.5	39451
M 25 x 1.0	140	28	18.0	14.5	39452
M 26 x 1.5	140	28	18.0	14.5	39454
M 27 x 1.5	140	28	20.0	16.0	39456
M 27 x 2.0	140	28	20.0	16.0	39457
M 28 x 1.5	140	28	20.0	16.0	39459
M 30 x 1.5	150	28	22.0	18.0	39463
M 30 x 2.0	150	28	22.0	18.0	39464
M 32 x 1.5	150	28	22.0	18.0	39466
M 32 x 2.0	150	28	22.0	18.0	39467
M 33 x 2.0	160	30	25.0	20.0	39468
M 35 x 1.5	170	30	28.0	22.0	39472
M 36 x 1.5	170	30	28.0	22.0	39473
M 36 x 2.0	170	30	28.0	22.0	39474
M 38 x 1.5	170	30	28.0	22.0	39476
M 40 x 1.5	170	30	32.0	24.0	39480
M 42 x 1.5	170	30	32.0	24.0	39483
M 45 x 1.5	180	32	36.0	29.0	39486
M 48 x 1.5	190	32	36.0	29.0	39489
M 50 x 1.5	190	32	36.0	29.0	39494
M 52 x 1.5	190	32	40.0	32.0	39497



## Machine Taps

metric-fine ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13



DIN 374

Form B

HSS-E

Tol. ISO2/6H

Mf

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 3 x 0.35	56	9	2.2	-	39501
M 4 x 0.35	63	10	2.8	2.1	39502
M 4 x 0.5	63	10	2.8	2.1	39503
M 5 x 0.5	70	12	3.5	2.7	39504
M 5 x 0.75	70	12	3.5	2.7	39505
M 6 x 0.5	80	14	4.5	3.4	39506
M 6 x 0.75	80	14	4.5	3.4	39507
M 7 x 0.75	80	14	5.5	4.3	39508
M 8 x 0.5	80	19	6.0	4.9	39509
M 8 x 0.75	80	19	6.0	4.9	39510
M 8 x 1.0	90	22	6.0	4.9	39511
M 9 x 0.75	80	19	7.0	5.5	39512
M 9 x 1.0	90	22	7.0	5.5	39513
M 10 x 0.75	90	20	7.0	5.5	39514
M 10 x 1.0	90	20	7.0	5.5	39515
M 10 x 1.25	100	24	7.0	5.5	39516
M 11 x 1.0	90	20	8.0	6.2	39517
M 11 x 1.25	90	22	8.0	6.2	39518
M 12 x 0.75	100	22	9.0	7.0	39519
M 12 x 1.0	100	22	9.0	7.0	39520
M 12 x 1.25	100	22	9.0	7.0	39521
M 12 x 1.5	100	22	9.0	7.0	39522
M 13 x 1.0	100	22	11.0	9.0	39523
M 13 x 1.5	100	22	11.0	9.0	39524
M 14 x 0.75	100	22	11.0	9.0	39525
M 14 x 1.0	100	22	11.0	9.0	39526
M 14 x 1.25	100	22	11.0	9.0	39527
M 14 x 1.5	100	22	11.0	9.0	39528
M 15 x 1.0	100	22	12.0	9.0	39529
M 15 x 1.5	100	22	12.0	9.0	39530
M 16 x 1.0	100	22	12.0	9.0	39531
M 16 x 1.25	100	22	12.0	9.0	39532
M 16 x 1.5	100	22	12.0	9.0	39533
M 18 x 1.0	110	25	14.0	11.0	39534
M 18 x 1.25	110	25	14.0	11.0	39535
M 18 x 1.5	110	25	14.0	11.0	39536
M 18 x 2.0	125	34	14.0	11.0	39537

### Application:

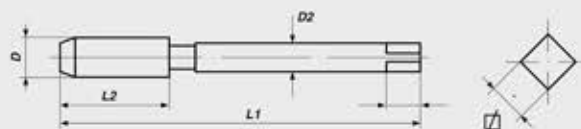
#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti





## Machine Taps

metric-fine ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13



**DIN 374**

**Form B**

**HSS-E**

**Tol. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 20 x 1.0	125	25	16.0	12.0	39538
M 20 x 1.25	125	25	16.0	12.0	39539
M 20 x 1.5	125	25	16.0	12.0	39540
M 20 x 2.0	140	34	16.0	12.0	39541
M 21 x 1.5	125	25	16.0	12.0	39542
M 22 x 1.0	125	25	18.0	14.5	39543
M 22 x 1.25	125	25	18.0	14.5	39544
M 22 x 1.5	125	25	18.0	14.5	39545
M 22 x 2.0	140	34	18.0	14.5	39546
M 23 x 1.5	125	25	18.0	14.5	39547
M 24 x 1.0	140	28	18.0	14.5	39548
M 24 x 1.25	140	28	18.0	14.5	39549
M 24 x 1.5	140	28	18.0	14.5	39550
M 24 x 2.0	140	28	18.0	14.5	39551
M 25 x 1.0	140	28	18.0	14.5	39552
M 25 x 1.5	140	28	18.0	14.5	39553
M 26 x 1.0	140	28	18.0	14.5	3955X
M 26 x 1.5	140	28	18.0	14.5	39554
M 26 x 2.0	140	28	18.0	14.5	39555
M 27 x 1.0	140	28	20.0	16.0	39500
M 27 x 1.5	140	28	20.0	16.0	39556
M 27 x 2.0	140	28	20.0	16.0	39557
M 28 x 1.0	140	28	20.0	16.0	39558
M 28 x 1.5	140	28	20.0	16.0	39559
M 28 x 2.0	140	28	20.0	16.0	39560
M 29 x 1.5	150	28	22.0	18.0	39561
M 30 x 1.0	150	28	22.0	18.0	39562
M 30 x 1.5	150	28	22.0	18.0	39563
M 30 x 2.0	150	28	22.0	18.0	39564
M 30 x 2.5	180	45	22.0	18.0	3956X
M 30 x 3.0	180	45	22.0	18.0	39565
M 32 x 1.5	150	28	22.0	18.0	39566
M 32 x 2.0	150	28	22.0	18.0	39567
M 32 x 3.0	180	50	22.0	18.0	39592
M 33 x 1.5	160	30	25.0	20.0	39593
M 33 x 2.0	160	30	25.0	20.0	39568
M 33 x 3.0	180	50	25.0	20.0	39569

### Application:

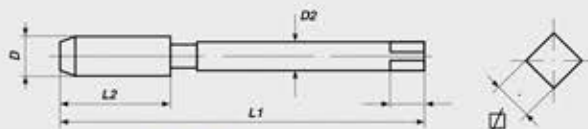
#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti





## Machine Taps

metric-fine ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13



**DIN 374**

**Form B**

**HSS-E**

**Tol. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 34 x 1.5	170	30	28.0	22.0	39570
M 34 x 2.0	170	30	28.0	22.0	39571
M 35 x 1.5	170	30	28.0	22.0	39572
M 36 x 1.5	170	30	28.0	22.0	39573
M 36 x 2.0	170	30	28.0	22.0	39574
M 36 x 3.0	200	56	28.0	22.0	39575
M 38 x 1.5	170	30	28.0	22.0	39576
M 39 x 1.5	170	30	32.0	24.0	39577
M 39 x 2.0	170	30	32.0	24.0	39578
M 39 x 3.0	200	60	32.0	24.0	39579
M 40 x 1.5	170	30	32.0	24.0	39580
M 40 x 2.0	170	30	32.0	24.0	39581
M 40 x 3.0	200	60	32.0	24.0	39582
M 42 x 1.5	170	30	32.0	24.0	39583
M 42 x 2.0	170	30	32.0	24.0	39584
M 42 x 3.0	200	60	32.0	24.0	39585
M 45 x 1.5	180	32	36.0	29.0	39586
M 45 x 2.0	180	32	36.0	29.0	39587
M 45 x 3.0	200	50	36.0	29.0	39588
M 48 x 1.5	190	32	36.0	29.0	39589
M 48 x 2.0	190	32	36.0	29.0	39590
M 48 x 3.0	225	50	36.0	29.0	39591
M 50 x 1.5	190	32	36.0	29.0	39594
M 50 x 2.0	190	32	36.0	29.0	39595
M 50 x 3.0	225	50	36.0	29.0	39596
M 52 x 1.5	190	32	40.0	32.0	39597
M 52 x 2.0	190	32	40.0	32.0	39598
M 52 x 3.0	225	50	40.0	32.0	39599
M 63 x 1.5	275	50	50.0	39.0	3959X

### Application:

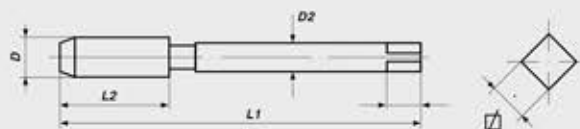
#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13



**DIN 374**

**Form C/35° RSP**

**HSS-E**

**Tol. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 3 x 0.35	56	5	2.2	-	39701
M 4 x 0.35	63	5	2.8	2.1	39702
M 4 x 0.5	63	5	2.8	2.1	39703
M 5 x 0.5	70	5	3.5	2.7	39704
M 5 x 0.75	70	8	3.5	2.7	39705
M 6 x 0.5	80	5	4.5	3.4	39706
M 6 x 0.75	80	8	4.5	3.4	39707
M 7 x 0.75	80	8	5.5	4.3	39708
M 8 x 0.5	80	8	6.0	4.9	39709
M 8 x 0.75	80	8	6.0	4.9	39710
M 8 x 1.0	90	10	6.0	4.9	39711
M 9 x 0.75	80	10	7.0	5.5	39712
M 9 x 1.0	90	10	7.0	5.5	39713
M 10 x 0.75	90	10	7.0	5.5	39714
M 10 x 1.0	90	10	7.0	5.5	39715
M 10 x 1.25	100	16	7.0	5.5	39716
M 11 x 1.0	90	11	8.0	6.2	39717
M 11 x 1.25	90	14	8.0	6.2	39718
M 12 x 0.75	100	10	9.0	7.0	39719
M 12 x 1.0	100	11	9.0	7.0	39720
M 12 x 1.25	100	15	9.0	7.0	39721
M 12 x 1.5	100	15	9.0	7.0	39722
M 13 x 1.0	100	11	11.0	9.0	39723
M 13 x 1.5	100	15	11.0	9.0	39724
M 14 x 0.75	100	10	11.0	9.0	39725
M 14 x 1.0	100	11	11.0	9.0	39726
M 14 x 1.25	100	15	11.0	9.0	39727
M 14 x 1.5	100	15	11.0	9.0	39728
M 15 x 1.0	100	12	12.0	9.0	39729
M 15 x 1.5	100	15	12.0	9.0	39730
M 16 x 1.0	100	12	12.0	9.0	39731
M 16 x 1.25	100	15	12.0	9.0	39732
M 16 x 1.5	100	15	12.0	9.0	39733
M 18 x 1.0	110	13	14.0	11.0	39734
M 18 x 1.25	110	15	14.0	11.0	39735
M 18 x 1.5	110	17	14.0	11.0	39736
M 18 x 2.0	125	20	14.0	11.0	39737

### Application:

#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13



DIN 374

Form C/35° RSP

HSS-E

ToI. ISO2/6H

Mf

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
M 20 x 1.0	125	14	16.0	12.0	39738
M 20 x 1.25	125	17	16.0	12.0	39739
M 20 x 1.5	125	17	16.0	12.0	39740
M 20 x 2.0	140	20	16.0	12.0	39741
M 21 x 1.5	125	17	16.0	12.0	39742
M 22 x 1.0	125	14	18.0	14.5	39743
M 22 x 1.25	125	17	18.0	14.5	39744
M 22 x 1.5	125	17	18.0	14.5	39745
M 22 x 2.0	140	20	18.0	14.5	39746
M 23 x 1.5	125	17	18.0	14.5	39747
M 24 x 1.0	140	15	18.0	14.5	39748
M 24 x 1.25	140	17	18.0	14.5	39749
M 24 x 1.5	140	20	18.0	14.5	39750
M 24 x 2.0	140	20	18.0	14.5	39751
M 25 x 1.0	140	15	18.0	14.5	39752
M 25 x 1.5	140	20	18.0	14.5	39753
M 26 x 1.0	140	15	18.0	14.5	3975X
M 26 x 1.5	140	20	18.0	14.5	39754
M 26 x 2.0	140	20	18.0	14.5	39755
M 27 x 1.0	140	15	20.0	16.0	39700
M 27 x 1.5	140	20	20.0	16.0	39756
M 27 x 2.0	140	20	20.0	16.0	39757
M 28 x 1.0	140	15	20.0	16.0	39758
M 28 x 1.5	140	20	20.0	16.0	39759
M 28 x 2.0	140	20	20.0	16.0	39760
M 29 x 1.5	150	22	22.0	18.0	39761
M 30 x 1.0	150	17	22.0	18.0	39762
M 30 x 1.5	150	22	22.0	18.0	39763
M 30 x 2.0	150	22	22.0	18.0	39764
M 30 x 2.5	180	27	22.0	18.0	3976X
M 30 x 3.0	180	30	22.0	18.0	39765
M 32 x 1.5	150	22	22.0	18.0	39766
M 32 x 2.0	150	22	22.0	18.0	39767
M 32 x 3.0	180	30	22.0	18.0	39792
M 33 x 1.5	160	24	25.0	20.0	39793
M 33 x 2.0	160	24	25.0	20.0	39768
M 33 x 3.0	180	30	25.0	20.0	39769

### Application:

#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi





## Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina

filettatura metrica fine ISO DIN 13



**DIN 374**

**Form C/35° RSP**

**HSS-E**

**Tol. ISO2/6H**

**Mf**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
M 34 x 1.5	170	24	28.0	22.0	39770
M 34 x 2.0	170	24	28.0	22.0	39771
M 35 x 1.5	170	24	28.0	22.0	39772
M 36 x 1.5	170	24	28.0	22.0	39773
M 36 x 2.0	170	24	28.0	22.0	39774
M 36 x 3.0	200	30	28.0	22.0	39775
M 38 x 1.5	170	24	28.0	22.0	39776
M 39 x 1.5	170	25	32.0	24.0	39777
M 39 x 2.0	170	25	32.0	24.0	39778
M 39 x 3.0	200	30	32.0	24.0	39779
M 40 x 1.5	170	25	32.0	24.0	39780
M 40 x 2.0	170	25	32.0	24.0	39781
M 40 x 3.0	200	30	32.0	24.0	39782
M 42 x 1.5	170	25	32.0	24.0	39783
M 42 x 2.0	170	25	32.0	24.0	39784
M 42 x 3.0	200	30	32.0	24.0	39785
M 45 x 1.5	180	27	36.0	29.0	39786
M 45 x 2.0	180	27	36.0	29.0	39787
M 45 x 3.0	200	30	36.0	29.0	39788
M 48 x 1.5	190	27	36.0	29.0	39789
M 48 x 2.0	190	27	36.0	29.0	39790
M 48 x 3.0	225	33	36.0	29.0	39791
M 50 x 1.5	190	27	36.0	29.0	39794
M 50 x 2.0	190	27	36.0	29.0	39795
M 50 x 3.0	225	33	36.0	29.0	39796
M 52 x 1.5	190	27	40.0	32.0	39797
M 52 x 2.0	190	27	40.0	32.0	39798
M 52 x 3.0	225	33	40.0	32.0	39799
M 63 x 1.5	275	40	50.0	39.0	3979X

### Application:

#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi





## Machine Taps

Unified Coarse thread ANSI B 1.1

## Maschi a macchina

filettatura unificata, serie grossa ANSI B1.1

DIN 371

DIN 376



≈ DIN 371/376

Form B

HSS-E

Tol. 2B

# UNC

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
≈ DIN 371					
UNC No. 4 x 40	50	10	3.5	2.7	74504
UNC No. 5 x 40	56	11	3.5	2.7	74505
UNC No. 6 x 32	56	12	4.0	3.0	74506
UNC No. 8 x 32	63	13	4.5	3.4	74508
UNC No. 10 x 24	70	15	6.0	4.9	74510
UNC No. 12 x 24	70	16	6.0	4.9	74512
UNC 1/4 x 20	80	17	7.0	5.5	74514
UNC 5/16 x 18	90	20	8.0	6.2	74516
UNC 3/8 x 16	100	22	9.0	7.0	74518
≈ DIN 376					
UNC No. 4 x 40	50	10	1.8	-	75504
UNC No. 5 x 40	56	11	2.2	1.8	75505
UNC No. 6 x 32	56	12	2.5	2.1	75506
UNC No. 8 x 32	63	13	2.8	2.1	75508
UNC No. 10 x 24	70	15	3.5	2.7	75510
UNC No. 12 x 24	70	16	3.5	2.7	75512
UNC 1/4 x 20	80	17	4.5	3.4	75514
UNC 5/16 x 18	90	20	6.0	4.9	75516
UNC 3/8 x 16	100	22	7.0	5.5	75518
UNC 7/16 x 14	100	22	8.0	6.2	75520
UNC 1/2 x 13	110	25	9.0	7.0	75522
UNC 9/16 x 12	110	26	11.0	9.0	75524
UNC 5/8 x 11	110	27	12.0	9.0	75526
UNC 3/4 x 10	125	30	14.0	11.0	75530
UNC 7/8 x 9	140	32	18.0	14.5	75534
UNC 1" x 8	160	36	20.0	16.0	75538
UNC 1.1/4 x 7	180	40	22.0	18.0	75546
UNC 1.1/2 x 6	200	50	32.0	24.0	75554
UNC 1.3/4 x 5	220	65	36.0	29.0	75562
UNC 2" x 4.1/2	250	70	40.0	32.0	75570

### Application:

#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti





## Machine Taps

Unified Coarse thread ANSI B 1.1

## Maschi a macchina

filettatura unificata, serie grossa ANSI B1.1

DIN 371

DIN 376



≈ DIN 371/376

Form C/35° RSP

HSS-E

Tol. 2B

# UNC

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
≈ DIN 371					
UNC No. 4 x 40	50	6	3.5	2.7	74704
UNC No. 5 x 40	56	7	3.5	2.7	74705
UNC No. 6 x 32	56	7	4.0	3.0	74706
UNC No. 8 x 32	63	8	4.5	3.4	74708
UNC No. 10 x 24	70	10	6.0	4.9	74710
UNC No. 12 x 24	70	10	6.0	4.9	74712
UNC 1/4 x 20	80	13	7.0	5.5	74714
UNC 5/16 x 18	90	14	8.0	6.2	74716
UNC 3/8 x 16	100	16	9.0	7.0	74718
≈ DIN 376					
UNC No. 4 x 40	50	6	1.8	-	75704
UNC No. 5 x 40	56	7	2.2	1.8	75705
UNC No. 6 x 32	56	7	2.5	2.1	75706
UNC No. 8 x 32	63	8	2.8	2.1	75708
UNC No. 10 x 24	70	10	3.5	2.7	75710
UNC No. 12 x 24	70	10	3.5	2.7	75712
UNC 1/4 x 20	80	13	4.5	3.4	75714
UNC 5/16 x 18	90	14	6.0	4.9	75716
UNC 3/8 x 16	100	16	7.0	5.5	75718
UNC 7/16 x 14	100	17	8.0	6.2	75720
UNC 1/2 x 13	110	20	9.0	7.0	75722
UNC 9/16 x 12	110	20	11.0	9.0	75724
UNC 5/8 x 11	110	22	12.0	9.0	75726
UNC 3/4 x 10	125	25	14.0	11.0	75730
UNC 7/8 x 9	140	27	18.0	14.5	75734
UNC 1" x 8	160	30	20.0	16.0	75738
UNC 1.1/4 x 7	180	35	22.0	18.0	75746
UNC 1.1/2 x 6	200	40	32.0	24.0	75754
UNC 1.3/4 x 5	220	45	36.0	29.0	75762
UNC 2" x 4.1/2	250	50	40.0	32.0	75770

### Application:

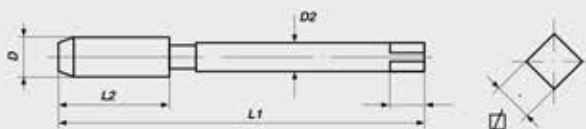
#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi





## Machine Taps

Unified Fine thread ANSI B 1.1

## Maschi a macchina

filettatura unificata, serie fina ANSI B1.1

DIN 371

DIN 376



≈ DIN 371/376

Form B

HSS-E

Tol. 2B

# UNF

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
≈ DIN 371					
UNF No. 4 x 48	50	10	3.5	2.7	76504
UNF No. 5 x 44	56	11	3.5	2.7	76505
UNF No. 6 x 40	56	12	4.0	3.0	76506
UNF No. 8 x 36	63	13	4.5	3.4	76508
UNF No. 10 x 32	70	15	6.0	4.9	76510
UNF No. 12 x 28	70	16	6.0	4.9	76512
UNF 1/4 x 28	80	17	7.0	5.5	76514
UNF 5/16 x 24	90	17	8.0	6.2	76516
UNF 3/8 x 24	100	18	9.0	7.0	76518
≈ DIN 376					
UNF 7/16 x 20	100	22	8.0	6.2	77520
UNF 1/2 x 20	100	22	9.0	7.0	77522
UNF 9/16 x 18	100	22	11.0	9.0	77524
UNF 5/8 x 18	100	22	12.0	9.0	77526
UNF 3/4 x 16	110	25	14.0	11.0	77530
UNF 7/8 x 14	140	26	18.0	14.5	77534
UNF 1" x 14	150	28	20.0	16.0	77540
UNF 1" x 12	150	28	20.0	16.0	77538
UNF 1.1/4 x 12	150	30	22.0	18.0	77546
UNF 1.1/2 x 12	170	33	32.0	24.0	77554

### Application:

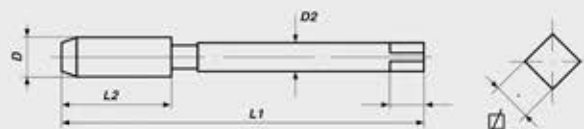
#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti





## Machine Taps

Unified Fine thread ANSI B 1.1

## Maschi a macchina

filettatura unificata, serie fina ANSI B1.1

DIN 371

DIN 376



≈ DIN 371/376

Form C/35° RSP

HSS-E

Tol. 2B

# UNF

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
≈ DIN 371					
UNF No. 4 x 48	50	6	3.5	2.7	76704
UNF No. 5 x 44	56	7	3.5	2.7	76705
UNF No. 6 x 40	56	7	4.0	3.0	76706
UNF No. 8 x 36	63	8	4.5	3.4	76708
UNF No. 10 x 32	70	10	6.0	4.9	76710
UNF No. 12 x 28	70	10	6.0	4.9	76712
UNF 1/4 x 28	80	10	7.0	5.5	76714
UNF 5/16 x 24	90	10	8.0	6.2	76716
UNF 3/8 x 24	100	10	9.0	7.0	76718
≈ DIN 376					
UNF 7/16 x 20	100	13	8.0	6.2	77720
UNF 1/2 x 20	100	13	9.0	7.0	77722
UNF 9/16 x 18	100	15	11.0	9.0	77724
UNF 5/8 x 18	100	15	12.0	9.0	77726
UNF 3/4 x 16	110	17	14.0	11.0	77730
UNF 7/8 x 14	140	17	18.0	14.5	77734
UNF 1" x 14	150	20	20.0	16.0	77740
UNF 1" x 12	150	20	20.0	16.0	77738
UNF 1.1/4 x 12	150	22	22.0	18.0	77746
UNF 1.1/2 x 12	170	25	32.0	24.0	77754

### Application:

#### for general use

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

### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi





## Machine Taps

Unified thread ANSI B 1.1

## Maschi a macchina

filettatura unificata ANSI B1.1



ISO 529

Form B

HSS-E

Tol. 2B

UN

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
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### 8-UN

UN 1.1/16 x 8	138	48	20.0	16.0	83101
UN 1.1/8 x 8	138	48	20.0	16.0	83102
UN 1.3/16 x 8	151	51	22.4	18.0	83103
UN 1.1/4 x 8	151	51	22.4	18.0	83104
UN 1.5/16 x 8	162	57	25.0	20.0	83105
UN 1.3/8 x 8	162	57	25.0	20.0	83106
UN 1.1/2 x 8	170	60	28.0	22.4	83107
UN 1.5/8 x 8	170	60	28.0	22.4	83108
UN 1.3/4 x 8	187	67	31.5	25.0	83109
UN 1.7/8 x 8	187	67	31.5	25.0	83110
UN 2" x 8	200	70	35.5	28.0	83111
UN 2.1/8 x 8	200	70	35.5	28.0	83112
UN 2.1/4 x 8	221	76	40.0	31.5	83113
UN 2.1/2 x 8	224	79	40.0	31.5	83115
UN 2.3/4 x 8	234	79	45.0	35.5	83116
UN 3" x 8	258	83	50.0	40.0	83117
UN 3.1/4 x 8	261	86	50.0	40.0	83118
UN 3.1/2 x 8	261	86	50.0	40.0	83119
UN 3.3/4 x 8	279	89	56.0	45.0	83120
UN 4" x 8	279	89	56.0	45.0	83121

### 12-UN

UN 1.5/8 x 12	170	60	28.0	22.4	83301
UN 1.3/4 x 12	187	67	31.5	25.0	83302
UN 1.7/8 x 12	187	67	31.5	25.0	83303
UN 2" x 12	200	70	35.5	28.0	83304
UN 2.1/8 x 12	200	70	35.5	28.0	83305
UN 2.1/4 x 12	221	76	40.0	31.5	83306
UN 2.1/2 x 12	224	79	40.0	31.5	83308
UN 2.3/4 x 12	234	79	45.0	35.5	83309
UN 3" x 12	258	83	50.0	40.0	83310
UN 3.1/4 x 12	261	86	50.0	40.0	83311
UN 3.1/2 x 12	261	86	50.0	40.0	83312
UN 3.3/4 x 12	279	89	56.0	45.0	83313
UN 4" x 12	279	89	56.0	45.0	83314

#### Application:

##### for general use

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

#### Applicazione:

##### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti





## Machine Taps

Pipe-thread DIN ISO 228

## Maschi a macchina

filettatura per tubi gas DIN ISO 228



**DIN 5156**

**Form C**

**HSS-E**

**G (BSP)**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
G 1/8 x 28	90	20	7.0	5.5	78412
G 1/4 x 19	100	22	11.0	9.0	78414
G 3/8 x 19	100	22	12.0	9.0	78416
G 1/2 x 14	125	25	16.0	12.0	78418
G 5/8 x 14	125	25	18.0	14.5	78420
G 3/4 x 14	140	28	20.0	16.0	78422
G 7/8 x 14	150	28	22.0	18.0	78424
G 1" x 11	160	30	25.0	20.0	78426
G 1.1/8 x 11	170	30	28.0	22.0	78430
G 1.1/4 x 11	170	30	32.0	24.0	78434
G 1.3/8 x 11	180	32	36.0	29.0	78438
G 1.1/2 x 11	190	32	36.0	29.0	78442
G 1.3/4 x 11	190	32	40.0	32.0	78450
G 2" x 11	220	40	45.0	35.0	78454

### TIN

G 1/8 x 28	90	20	7.0	5.5	78413
G 1/4 x 19	100	22	11.0	9.0	78415
G 3/8 x 19	100	22	12.0	9.0	78417
G 1/2 x 14	125	25	16.0	12.0	78419
G 3/4 x 14	140	28	20.0	16.0	78423
G 1" x 11	160	30	25.0	20.0	78427

#### Application: for general use

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

#### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

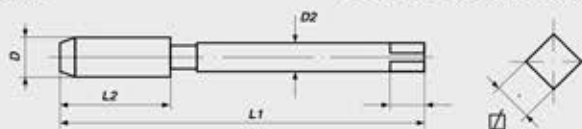
#### Applicazione:

##### per uso universale

- Materiali con buona truciabilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi

#### rivestimento TIN

- migliore resistenza all'abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## Machine Taps

Pipe-thread DIN ISO 228

## Maschi a macchina

filettatura per tubi gas DIN ISO 228



DIN 5156

Form C

HSS-E

G (BSP)

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
G 1/8 x 28	90	20	7.0	5.5	78512
G 1/4 x 19	100	22	11.0	9.0	78514
G 3/8 x 19	100	22	12.0	9.0	78516
G 1/2 x 14	125	25	16.0	12.0	78518
G 5/8 x 14	125	25	18.0	14.5	78520
G 3/4 x 14	140	28	20.0	16.0	78522
G 7/8 x 14	150	28	22.0	18.0	78524
G 1" x 11	160	30	25.0	20.0	78526
G 1.1/8 x 11	170	30	28.0	22.0	78530
G 1.1/4 x 11	170	30	32.0	24.0	78534
G 1.3/8 x 11	180	32	36.0	29.0	78538
G 1.1/2 x 11	190	32	36.0	29.0	78542
G 1.3/4 x 11	190	32	40.0	32.0	78550
G 2" x 11	220	40	45.0	35.0	78554

## TIN

G 1/8 x 28	90	20	7.0	5.5	78513
G 1/4 x 19	100	22	11.0	9.0	78515
G 3/8 x 19	100	22	12.0	9.0	78517
G 1/2 x 14	125	25	16.0	12.0	78519
G 3/4 x 14	140	28	20.0	16.0	78523
G 1" x 11	160	30	25.0	20.0	78527

### Application: for general use

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

### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

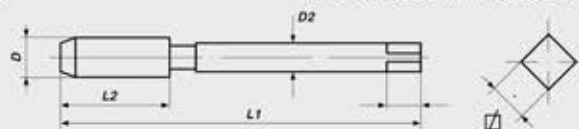
### Applicazione:

#### per uso universale

- Materiali con buona trucioidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori passanti

### rivestimento TIN

- migliore resistenza all'abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## Machine Taps

Pipe-thread DIN ISO 228

## Maschi a macchina

filettatura per tubi gas DIN ISO 228



**DIN 5156**

**Form C/35° RSP**

**HSS-E**

**G (BSP)**

Nominal Diameter	L 1	L 2	D 2	Ø	Art.-No.
D					
G 1/8 x 28	90	20	7.0	5.5	78712
G 1/4 x 19	100	22	11.0	9.0	78714
G 3/8 x 19	100	22	12.0	9.0	78716
G 1/2 x 14	125	25	16.0	12.0	78718
G 5/8 x 14	125	25	18.0	14.5	78720
G 3/4 x 14	140	28	20.0	16.0	78722
G 7/8 x 14	150	28	22.0	18.0	78724
G 1" x 11	160	30	25.0	20.0	78726
G 1.1/8 x 11	170	30	28.0	22.0	78730
G 1.1/4 x 11	170	30	32.0	24.0	78734
G 1.3/8 x 11	180	32	36.0	29.0	78738
G 1.1/2 x 11	190	32	36.0	29.0	78742
G 1.3/4 x 11	190	32	40.0	32.0	78750
G 2" x 11	220	40	45.0	35.0	78754

### TIN

G 1/8 x 28	90	20	7.0	5.5	78713
G 1/4 x 19	100	22	11.0	9.0	78715
G 3/8 x 19	100	22	12.0	9.0	78717
G 1/2 x 14	125	25	16.0	12.0	78719
G 3/4 x 14	140	28	20.0	16.0	78723
G 1" x 11	160	30	25.0	20.0	78727

#### Application: for general use

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

#### TIN-coating:

- improved resistance to wear and abrasion
- excellent anti-friction properties
- faster cutting speeds possible

#### Applicazione:

#### per uso universale

- Materiali con buona trucidibilità fino a R 900 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- per fori ciechi

#### rivestimento TIN

- migliore resistenza all' abrasione e alla rottura
- eccellente uniformità
- possibile velocità di taglio superiore





## GREEN RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino verde

filettatura metrica ISO DIN 13



### DIN 371/376 Form B HSS-E Tol. ISO2/6H

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	35326
M 4 x 0.7	63	13	4.5	3.4	35330
M 5 x 0.8	70	16	6.0	4.9	35334
M 6 x 1.0	80	19	6.0	4.9	35338
M 8 x 1.25	90	22	8.0	6.2	35342
M 10 x 1.5	100	24	10.0	8.0	35346
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	35350
M 14 x 2.0	110	30	11.0	9.0	35354
M 16 x 2.0	110	32	12.0	9.0	35358
M 18 x 2.5	125	34	14.0	11.0	35362
M 20 x 2.5	140	34	16.0	12.0	35366
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47853

#### Application:

##### for general use

- non abrasive material up to 1000 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- long chipping material
- for through holes

#### Applicazione:

##### per uso universale

- Materiali con buona trucioidibilità fino a R 1.000 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Materiali truciolo lungo
- per fori passanti





## GREEN RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino verde

filettatura metrica ISO DIN 13



**DIN 371/376      Form C/39° RSP      HSS-E      Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	6	3.5	2.7	36326
M 4 x 0.7	63	7	4.5	3.4	36330
M 5 x 0.8	70	8	6.0	4.9	36334
M 6 x 1.0	80	10	6.0	4.9	36338
M 8 x 1.25	90	14	8.0	6.2	36342
M 10 x 1.5	100	16	10.0	8.0	36346
<b>DIN 376</b>					
M 12 x 1.75	110	18	9.0	7.0	36350
M 14 x 2.0	110	20	11.0	9.0	36354
M 16 x 2.0	110	22	12.0	9.0	36358
M 18 x 2.5	125	25	14.0	11.0	36362
M 20 x 2.5	140	25	16.0	12.0	36366
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47863

### Application:

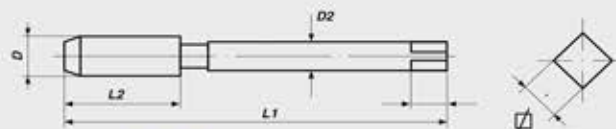
#### for general use

- non abrasive material up to 1000 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- long chipping material
- for blind holes

### Applicazione

#### per uso universale

- Materiali con buona truciabilità fino a R 1.000 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Materiali truciolo lungo
- per fori ciechi





## GREEN RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino verde

filettatura metrica ISO DIN 13

DIN 371

DIN 376



**DIN 371/376**

**Form B**

**HSSE-PM-TIN**

**Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	☒	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	30031
M 4 x 0.7	63	13	4.5	3.4	30032
M 5 x 0.8	70	14	6.0	4.9	30033
M 6 x 1.0	80	16	6.0	4.9	30034
M 8 x 1.25	90	18	8.0	6.2	30035
M 10 x 1.5	100	22	10.0	8.0	30036
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	30037
M 14 x 2.0	110	30	11.0	9.0	30038
M 16 x 2.0	110	32	12.0	9.0	30039

### Application: for general use

- non abrasive material up to 1.000 N/mm<sup>2</sup>
- stainless and alloyed steel
- unalloyed and low alloyed steel
- Copper- and Aluminium-alloys
- for through holes

### Advantages **HSSE-PM-TIN**

- increased wear resistance and toughness
- TiN-coating improves anti-friction properties, thereby improved wear-resistance and reduced tendency of build-up edge

### Applicazione per uso universale

- Materiali con buona trucioidibilità fino a R 1.000 N/mm<sup>2</sup>
- Acciaio inossidabili e legati
- Acciaio non legati e scarsamente legati
- Leghe di rame e alluminio
- per fori passanti

### Vantaggio **HSSE-PM-TIN**

- maggiore resistenza all'abrasione e tenacità
- migliore uniformità per mezzo di rivestimento TiN, riducendo così l'usare e ridotta tendenza di impasti per saldature



## GREEN RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino verde

filettatura metrica ISO DIN 13

DIN 371

DIN 376



DIN 371/376

Form C/39° RSP

HSSE-PM-TIN

ToI. ISO2/6H

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	6	3.5	2.7	30131
M 4 x 0.7	63	7	4.5	3.4	30132
M 5 x 0.8	70	8	6.0	4.9	30133
M 6 x 1.0	80	10	6.0	4.9	30134
M 8 x 1.25	90	14	8.0	6.2	30135
M 10 x 1.5	100	16	10.0	8.0	30136
<b>DIN 376</b>					
M 12 x 1.75	110	18	9.0	7.0	30137
M 14 x 2.0	110	20	11.0	9.0	30138
M 16 x 2.0	110	22	12.0	9.0	30139

### Application: for general use

- non abrasive material up to 1.000 N/mm<sup>2</sup>
- stainless and alloyed steel
- unalloyed and low alloyed steel
- Copper- and Aluminium-alloys
- for blind holes

### Advantages HSSE-PM-TIN

- increased wear resistance and toughness
- TiN-coating improves anti-friction properties, thereby improved wear-resistance and reduced tendency of build-up edge

### Applicazione per uso universale

- Materiali con buona trucioidibilità fino a R 1.000 N/mm<sup>2</sup>
- Acciaio inossidabili e legati
- Acciaio non legati e scarsamente legati
- Leghe di rame e alluminio
- per fori ciechi

### Vantaggio HSSE-PM-TIN

- maggiore resistenza all'abrasione e tenacità
- migliore uniformità per mezzo di rivestimento TiN, riducendo così l'usare e ridotta tendenza di impasti per saldature



## BLUE RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino blu

filettatura metrica ISO DIN 13



### DIN 371/376 Form B HSS-E Tol. ISO2/6H

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	35426
M 4 x 0.7	63	13	4.5	3.4	35430
M 5 x 0.8	70	16	6.0	4.9	35434
M 6 x 1.0	80	19	6.0	4.9	35438
M 8 x 1.25	90	22	8.0	6.2	35442
M 10 x 1.5	100	24	10.0	8.0	35446
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	35450
M 14 x 2.0	110	30	11.0	9.0	35454
M 16 x 2.0	110	32	12.0	9.0	35458
M 18 x 2.5	125	34	14.0	11.0	35462
M 20 x 2.5	140	34	16.0	12.0	35466
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47854

### TICN

<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	35427
M 4 x 0.7	63	13	4.5	3.4	35431
M 5 x 0.8	70	16	6.0	4.9	35435
M 6 x 1.0	80	19	6.0	4.9	35439
M 8 x 1.25	90	22	8.0	6.2	35443
M 10 x 1.5	100	24	10.0	8.0	35447
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	35451
M 14 x 2.0	110	30	11.0	9.0	35455
M 16 x 2.0	110	32	12.0	9.0	35459
M 18 x 2.5	125	34	14.0	11.0	35463
M 20 x 2.5	140	34	16.0	12.0	35467

#### Application:

wear resistant steel up to 1200 N/mm<sup>2</sup>

- high alloy steel
- short chipping material
- short chipping stainless steel
- alloy tool steel
- for through holes

#### TICN

- outstanding wear-resistance due to improved hardness and toughness
- intensive and optimum cooling essential as reduced heat resistance

#### Applicazione

Acciaio resistente all'usura a 1.200 N/mm<sup>2</sup>

- acciaio alto legato
- Materiali duri con truciolo corto
- Acciaio inossidabile con truciolo corto
- Acciaio utensili legati
- per fori passanti

#### TICN

- eccellente resistenza all'usura per mezzo di durezza e tenacia migliorata
- intensa e ottimale lubrificazione è obbligatorio, perché minore resistenza al calore



## BLUE RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino blu

filettatura metrica ISO DIN 13



**DIN 371/376**

**Form C/39° RSP**

**HSS-E**

**Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	6	3.5	2.7	36426
M 4 x 0.7	63	7	4.5	3.4	36430
M 5 x 0.8	70	8	6.0	4.9	36434
M 6 x 1.0	80	10	6.0	4.9	36438
M 8 x 1.25	90	14	8.0	6.2	36442
M 10 x 1.5	100	16	10.0	8.0	36446
<b>DIN 376</b>					
M 12 x 1.75	110	18	9.0	7.0	36450
M 14 x 2.0	110	20	11.0	9.0	36454
M 16 x 2.0	110	22	12.0	9.0	36458
M 18 x 2.5	125	25	14.0	11.0	36462
M 20 x 2.5	140	25	16.0	12.0	36466
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371). M 12 (DIN 376)				47864

### TICN

#### DIN 371

M 3 x 0.5	56	6	3.5	2.7	36427
M 4 x 0.7	63	7	4.5	3.4	36431
M 5 x 0.8	70	8	6.0	4.9	36435
M 6 x 1.0	80	10	6.0	4.9	36439
M 8 x 1.25	90	14	8.0	6.2	36443
M 10 x 1.5	100	16	10.0	8.0	36447

#### DIN 376

M 12 x 1.75	110	18	9.0	7.0	36451
M 14 x 2.0	110	20	11.0	9.0	36455
M 16 x 2.0	110	22	12.0	9.0	36459
M 18 x 2.5	125	25	14.0	11.0	36463
M 20 x 2.5	140	25	16.0	12.0	36467

#### Application:

##### wear resistant steel up to 1200 N/mm<sup>2</sup>

- high alloy steel
- short chipping material
- short chipping stainless steel
- alloy tool steel
- for blind holes

##### TICN

- outstanding wear-resistance due to improved hardness and toughness
- intensive and optimum cooling essential as reduced heat resistance

#### Applicazione

##### Acciaio resistente all'usura a 1.200 N/mm<sup>2</sup>

- acciaio alto legato
- Materiali duri con truciolo corto
- Acciaio inossidabile con truciolo corto
- Acciaio utensili legati
- per fori ciechi

##### TICN

- eccellente resistenza all'usura per mezzo di durezza e tenacia migliorata
- intensa e ottimale lubrificazione è obbligatorio, perché minore resistenza al calore



## WHITE RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino bianco

filettatura metrica ISO DIN 13



**DIN 371/376 Form B HSS-E Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	35226
M 4 x 0.7	63	13	4.5	3.4	35230
M 5 x 0.8	70	16	6.0	4.9	35234
M 6 x 1.0	80	19	6.0	4.9	35238
M 8 x 1.25	90	22	8.0	6.2	35242
M 10 x 1.5	100	24	10.0	8.0	35246
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	35250
M 14 x 2.0	110	30	11.0	9.0	35254
M 16 x 2.0	110	32	12.0	9.0	35258
M 18 x 2.5	125	34	14.0	11.0	35262
M 20 x 2.5	140	34	16.0	12.0	35266
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47852

### Application:

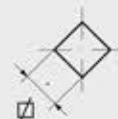
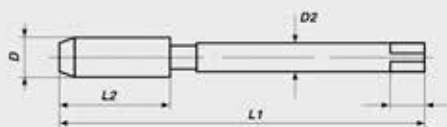
**Stainless Steel (INOX),  
long chipping up to 1000 N/mm<sup>2</sup>**

- abrasive material
- chrome-nickel alloys
- surface treatment: steam tempered
- for through holes

### Applicazione:

**Acciaio inossidabile,  
truciolo lungo a 1.000 N/mm<sup>2</sup>**

- materiali difficile da tagliare
- Acciaio legato al Cr
- Superficie: vaporizzato
- per fori passanti





## WHITE RING-Machine Taps

### Maschi a macchina con collarino bianco



### Form B HSS-E

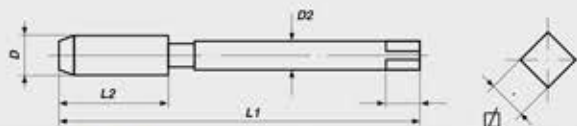
Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>MF</b> DIN 374					
M 5 x 0.5	70	12	3.5	2.7	35903
M 6 x 0.75	80	14	4.5	3.4	35904
M 8 x 0.75	80	19	6.0	4.9	35906
M 8 x 1.0	90	22	6.0	4.9	35907
M 10 x 1.0	90	20	7.0	5.5	35909
M 10 x 1.25	100	24	7.0	5.5	35910
M 12 x 1.25	100	22	9.0	7.0	35913
M 12 x 1.5	100	22	9.0	7.0	35914
M 14 x 1.5	100	22	11.0	9.0	35917
M 16 x 1.5	100	22	12.0	9.0	35921
M 18 x 1.5	110	25	14.0	11.0	35925
M 20 x 1.5	125	25	16.0	12.0	35929
<b>UNC</b> DIN 371					
UNC 1/4 x 20	80	17	7.0	5.5	35945
UNC 5/16 x 18	90	20	8.0	6.2	35946
UNC 3/8 x 16	100	22	9.0	7.0	35947
DIN 376					
UNC 7/16 x 14	100	22	8.0	6.2	35948
UNC 1/2 x 13	110	25	9.0	7.0	35949
<b>UNF</b> DIN 371					
UNF 1/4 x 28	80	17	7.0	5.5	35965
UNF 5/16 x 24	90	17	8.0	6.2	35966
UNF 3/8 x 24	100	18	9.0	7.0	35967
DIN 376					
UNF 7/16 x 20	100	22	8.0	6.2	35968
UNF 1/2 x 20	100	22	9.0	7.0	35969
<b>G (BSP)</b> DIN 5156					
G 1/8 x 28	90	20	7.0	5.5	35992
G 1/4 x 19	100	22	11.0	9.0	35993
G 3/8 x 19	100	22	12.0	9.0	35994
G 1/2 x 14	125	25	16.0	12.0	35995

#### Application:

**Stainless Steel (INOX),  
long chipping up to 1000 N/mm<sup>2</sup>**  
 - abrasive material  
 - chrome-nickel alloys  
 - surface treatment: steam tempered  
 - for through holes

#### Applicazione:

**Acciaio inossidabile,  
truciolo lungo a 1.000 N/mm<sup>2</sup>**  
 - materiali difficile da tagliare  
 - Acciaio legato al Cr  
 - Superficie: vaporizzato  
 - per fori passanti





## WHITE RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino bianco

filettatura metrica ISO DIN 13



**DIN 371/376 Form C/39° RSP HSS-E Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	6	3.5	2.7	36226
M 4 x 0.7	63	7	4.5	3.4	36230
M 5 x 0.8	70	8	6.0	4.9	36234
M 6 x 1.0	80	10	6.0	4.9	36238
M 8 x 1.25	90	14	8.0	6.2	36242
M 10 x 1.5	100	16	10.0	8.0	36246
<b>DIN 376</b>					
M 12 x 1.75	110	18	9.0	7.0	36250
M 14 x 2.0	110	20	11.0	9.0	36254
M 16 x 2.0	110	22	12.0	9.0	36258
M 18 x 2.5	125	25	14.0	11.0	36262
M 20 x 2.5	140	25	16.0	12.0	36266
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47862

### Application:

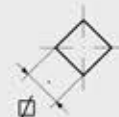
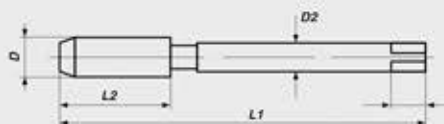
**Stainless steel (INOX),  
long chipping up to 1000 N/mm<sup>2</sup>**

- abrasive material
- chrome-nickel alloys
- surface treatment: steam tempered
- for blind holes

### Applicazione:

**Acciaio inossidabile,  
truciolo lungo a 1.000 N/mm<sup>2</sup>**

- materiali difficile da tagliare
- Acciaio legato al Cr
- Superficie: vaporizzato
- per fori ciechi





## BLACK RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino nero

filettatura metrica ISO DIN 13



**DIN 371/376**

**Form C**

**HSS-E**

**Tol. ISO2/6H**

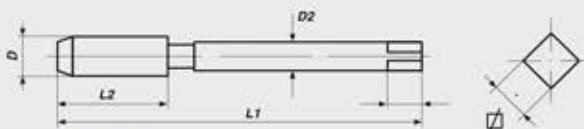
Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	35126
M 4 x 0.7	63	13	4.5	3.4	35130
M 5 x 0.8	70	16	6.0	4.9	35134
M 6 x 1.0	80	19	6.0	4.9	35138
M 8 x 1.25	90	22	8.0	6.2	35142
M 10 x 1.5	100	24	10.0	8.0	35146
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	35150
M 14 x 2.0	110	30	11.0	9.0	35154
M 16 x 2.0	110	32	12.0	9.0	35158
M 18 x 2.5	125	34	14.0	11.0	35162
M 20 x 2.5	140	34	16.0	12.0	35166
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47851

### Application:

- Cast iron GG**  
**Spheroidal cast iron GGG**
- Magnesium alloys
  - surface treatment nitrided
  - Form C: for through and blind holes

### Applicazione:

- Ghisa grigia GG**  
**Ghisa sferoidale GGG**
- Leghe di magnesio
  - Superficie: nitrurata
  - Forma C: per fori passanti e ciechi





## YELLOW RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino giallo

filettatura metrica ISO DIN 13



**DIN 371/376**

**Form C/40° RSP**

**HSS-E**

**Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	6	3.5	2.7	36526
M 4 x 0.7	63	7	4.5	3.4	36530
M 5 x 0.8	70	8	6.0	4.9	36534
M 6 x 1.0	80	10	6.0	4.9	36538
M 8 x 1.25	90	14	8.0	6.2	36542
M 10 x 1.5	100	16	10.0	8.0	36546
<b>DIN 376</b>					
M 12 x 1.75	110	18	9.0	7.0	36550
M 14 x 2.0	110	20	11.0	9.0	36554
M 16 x 2.0	110	22	12.0	9.0	36558
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47860

### Application:

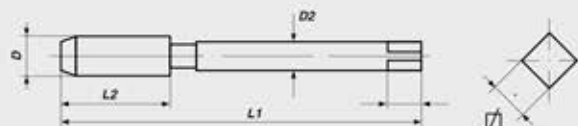
Aluminium-alloys, long chipping

- for blind holes
- with 2 flutes

### Applicazione:

Alluminio, truciolo lungo

- per fori ciechi
- A 2 scanalature





## ORANGE RING-Machine Taps

metric ISO-thread DIN 13

### Maschi a macchina con collarino arancione

filettatura metrica ISO DIN 13



**DIN 371/376 Form C HSS-E Tol. ISO2/6H**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
<b>DIN 371</b>					
M 3 x 0.5	56	11	3.5	2.7	35726
M 4 x 0.7	63	13	4.5	3.4	35730
M 5 x 0.8	70	16	6.0	4.9	35734
M 6 x 1.0	80	19	6.0	4.9	35738
M 8 x 1.25	90	22	8.0	6.2	35742
M 10 x 1.5	100	24	10.0	8.0	35746
<b>DIN 376</b>					
M 12 x 1.75	110	29	9.0	7.0	35750
M 14 x 2.0	110	30	11.0	9.0	35754
M 16 x 2.0	110	32	12.0	9.0	35758
<b>SET</b>					
M 3 - 12	M 3-4-5-6-8-10 (DIN 371), M 12 (DIN 376)				47850

#### Application:

**Ms**  
Brass, short chipping  
- for through and blind holes

#### Applicazione:

**Ms**  
Ottone, truciolo corto  
- per fori passanti e ciechi



## RED RING-Machine Taps

metric ISO-thread DIN 13

## Maschi a macchina con collarino rosso

filettatura metrica ISO DIN 13



### DIN 371 Form A HSS-E Tol. ISO2/6H

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
<b>DIN 371</b>					
M 4 x 0.7	63	9	4.5	3.4	36130
M 5 x 0.8	70	11	6.0	4.9	36134
M 6 x 1.0	80	13	6.0	4.9	36138
M 8 x 1.25	90	15	8.0	6.2	36142
M 10 x 1.5	100	16	10.0	8.0	36146

#### Application:

**short-chipping Material from 1200 N/mm<sup>2</sup> tensile strength**

For through and blind holes.

Due to the very robust execution and the special profile of the flutes this Machine Tap is suitable for extreme applications.

The lead Form A and an additional short lead make working easier.

#### Applicazione:

**Materiali con truciolo corto da 1.200 N/mm<sup>2</sup> resistenza alla trazione**

per fori passanti e ciechi

Dalla versione particolarmente robusto e speciale profilo delle scanalature di questo maschi è adatto per applicazioni estreme.

L'imbocco a Forma A e un aggiuntivo imbocco corto facilitano la lavorazione



## GREEN RING TwinBox

Machine Tap + Twist Drill  
metric ISO-thread DIN 13

## TwinBox verde

Maschi a macchina + punte  
filettatura metrica ISO DIN 13



**DIN 371/376 HSS-E**

**Tol. ISO2/6H**

Nominal Diameter D			Art.-No.
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### Form B, Spiral Point / punta en espiral (pasante)

M 3 x 0.5	DIN 371	2.5 mm	35390
M 4 x 0.7	DIN 371	3.3 mm	35391
M 5 x 0.8	DIN 371	4.2 mm	35392
M 6 x 1.0	DIN 371	5.0 mm	35393
M 8 x 1.25	DIN 371	6.8 mm	35394
M 10 x 1.5	DIN 371	8.5 mm	35395
M 12 x 1.75	DIN 376	10.2 mm	35396
M 14 x 2.0	DIN 376	12.0 mm	35397
M 16 x 2.0	DIN 376	14.0 mm	35398

### Form C, Spiral Flute / Helicoidal 35° (ciego)

M 3 x 0.5	DIN 371	2.5 mm	36390
M 4 x 0.7	DIN 371	3.3 mm	36391
M 5 x 0.8	DIN 371	4.2 mm	36392
M 6 x 1.0	DIN 371	5.0 mm	36393
M 8 x 1.25	DIN 371	6.8 mm	36394
M 10 x 1.5	DIN 371	8.5 mm	36395
M 12 x 1.75	DIN 376	10.2 mm	36396
M 14 x 2.0	DIN 376	12.0 mm	36397
M 16 x 2.0	DIN 376	14.0 mm	36398

#### Application:

##### for general use

- non abrasive material up to 1000 N/mm<sup>2</sup>
- unalloyed and low alloyed steel
- malleable cast iron and zinc alloys

Spiral Point for through holes

Spiral Flute for blind holes

##### HSS-CO Twist Drills DIN 338

Type N right, 118° - Spiral: 25-30°

#### Applicazione:

##### per uso universale

- Materiali buona trucioidibilità fino a 1000 N/mm<sup>2</sup>
- Acciaio non legati e scarsamente legati
- Ghisa malleabile e leghe forgiate

Forma B per fori passanti

35° RSP per fori ciechi

##### Punte DIN 338 HSS-Co

Tipo N, destra 118° - elica: 25-30°



## BLUE RING TwinBox

Machine Tap + Twist Drill  
metric ISO-thread DIN 13

## TwinBox blu

Maschi a macchina + punte  
filettatura metrica ISO DIN 13



**DIN 371/376 HSS-E**

**ToI. ISO2/6H**

Nominal Diameter D			Art.-No.
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### Form B, Spiral Point / con imbocco corretto

M 3 x 0.5	DIN 371	2.5 mm	35490
M 4 x 0.7	DIN 371	3.3 mm	35491
M 5 x 0.8	DIN 371	4.2 mm	35492
M 6 x 1.0	DIN 371	5.0 mm	35493
M 8 x 1.25	DIN 371	6.8 mm	35494
M 10 x 1.5	DIN 371	8.5 mm	35495
M 12 x 1.75	DIN 376	10.2 mm	35496
M 14 x 2.0	DIN 376	12.0 mm	35497
M 16 x 2.0	DIN 376	14.0 mm	35498

### Form C, Spiral Flute / spirale destra a 35°

M 3 x 0.5	DIN 371	2.5 mm	36490
M 4 x 0.7	DIN 371	3.3 mm	36491
M 5 x 0.8	DIN 371	4.2 mm	36492
M 6 x 1.0	DIN 371	5.0 mm	36493
M 8 x 1.25	DIN 371	6.8 mm	36494
M 10 x 1.5	DIN 371	8.5 mm	36495
M 12 x 1.75	DIN 376	10.2 mm	36496
M 14 x 2.0	DIN 376	12.0 mm	36497
M 16 x 2.0	DIN 376	14.0 mm	36498

#### Application:

**wear resistant steel up to 1200 N/mm<sup>2</sup>**

- high alloy steel
- short chipping material
- short chipping stainless steel
- alloy tool steel

Spiral Point for through holes

Spiral Flute for blind holes

#### HSS-CO Twist Drills DIN 338

Form C right, 130° - Spiral: 25-30°  
with Split Point

#### Applicazione:

**Acciaio resistente all'usura a 1200 N/mm<sup>2</sup>**

- Acciaio alto legato
- Materiali duri con truciolo corto
- Acciaio inossidabile con truciolo corto
- Acciaio utensili legati

Forma B per fori passanti

35° RSP per fori ciechi

#### Punte DIN 338 HSS-Co

Forma C, destra 130° - elica: 25-30°  
con affilatura a croce



## WHITE RING TwinBox

Machine Tap + Twist Drill  
metric ISO-thread DIN 13

## TwinBox bianco

Maschi a macchina + punte  
filettatura metrica ISO DIN 13



**DIN 371/376**

**HSS-E**

**ToI. ISO2/6H**

Nominal Diameter D			Art.-No.
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### Form B, Spiral Point / con imbocco corretto

M 3 x 0.5	DIN 371	2.5 mm	35290
M 4 x 0.7	DIN 371	3.3 mm	35291
M 5 x 0.8	DIN 371	4.2 mm	35292
M 6 x 1.0	DIN 371	5.0 mm	35293
M 8 x 1.25	DIN 371	6.8 mm	35294
M 10 x 1.5	DIN 371	8.5 mm	35295
M 12 x 1.75	DIN 376	10.2 mm	35296
M 14 x 2.0	DIN 376	12.0 mm	35297
M 16 x 2.0	DIN 376	14.0 mm	35298

### Form C, Spiral Flute / spirale destra a 35°

M 3 x 0.5	DIN 371	2.5 mm	36290
M 4 x 0.7	DIN 371	3.3 mm	36291
M 5 x 0.8	DIN 371	4.2 mm	36292
M 6 x 1.0	DIN 371	5.0 mm	36293
M 8 x 1.25	DIN 371	6.8 mm	36294
M 10 x 1.5	DIN 371	8.5 mm	36295
M 12 x 1.75	DIN 376	10.2 mm	36296
M 14 x 2.0	DIN 376	12.0 mm	36297
M 16 x 2.0	DIN 376	14.0 mm	36298

#### Application:

Stainless Steel (INOX),  
**long chipping up to 1000 N/mm<sup>2</sup>**  
- long chipping, heat resistant steel  
- abrasive material  
Spiral Point for through holes  
Spiral Flute for blind holes  
Surface treatment: steam tempered

#### HSS-CO Twist Drills DIN 338

Form C right, 130° - Spiral: 25-30°  
with Split Point

#### Applicazione:

**Acciaio inossidabile truciolo lungo a 1000 N/mm<sup>2</sup>**  
- Acciaio resistente al calore truciolo lungo  
- Materiali difficile da tagliare  
Forma B per fori passanti  
35° RSP per fori ciechi  
Superficie: vaporizzato

#### Punte DIN 338 HSS-Co

Forma C, destra 130° - elica: 25-30°  
con affilatura a croce



## Fluteless Machine Taps (Forming Taps)

metric ISO-thread DIN 13

## Maschi a rullare

filettatura metrica ISO DIN 13



**DIN 371/376**

**2.1/2 Thread Start**

**HSS-E**

**Tol. ISO2X/6HX**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
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without Oil Groove/senza canali di espulsione

### DIN 371

M 1 x 0.25	40	5	2.5	2.1	35500
M 1.1 x 0.25	40	5	2.5	2.1	35501
M 1.2 x 0.25	40	5	2.5	2.1	35502
M 1.4 x 0.3	40	7	2.5	2.1	35503
M 1.6 x 0.35	40	8	2.5	2.1	35504
M 1.7 x 0.35	40	8	2.5	2.1	35505
M 1.8 x 0.35	40	8	2.5	2.1	35506
M 2 x 0.4	45	8	2.8	2.1	35507
M 2.5 x 0.45	50	9	2.8	2.1	35508
M 3 x 0.5	56	11	3.5	2.7	35510
M 4 x 0.7	63	13	4.5	3.4	35512
M 5 x 0.8	70	16	6.0	4.9	35513
M 6 x 1.0	80	19	6.0	4.9	35514
M 8 x 1.25	90	22	8.0	6.2	35515
M 10 x 1.5	100	24	10.0	8.0	35516

### DIN 376

M 12 x 1.75	110	29	9.0	7.0	35517
M 14 x 2.0	110	30	11.0	9.0	35518
M 16 x 2.0	110	32	12.0	9.0	35519

with Oil Groove/con canali di espulsione

### DIN 371

M 3 x 0.5	56	11	3.5	2.7	35610
M 4 x 0.7	63	13	4.5	3.4	35612
M 5 x 0.8	70	16	6.0	4.9	35613
M 6 x 1.0	80	19	6.0	4.9	35614
M 8 x 1.25	90	22	8.0	6.2	35615
M 10 x 1.5	100	24	10.0	8.0	35616

### DIN 376

M 12 x 1.75	110	29	9.0	7.0	35617
M 14 x 2.0	110	30	11.0	9.0	35618
M 16 x 2.0	110	32	12.0	9.0	35619

### Application:

#### bright:

- for nonferrous metal of good ductility

### Applicazione:

#### Lucido:

- per materiali non ferrosi con buona deformabilità





## Fluteless Machine Taps

metric ISO-thread DIN 13

## Maschi a rullare

filettatura metrica ISO DIN 13



**DIN 371/376**

**2.1/2 Thread Start**

**HSSE-VAP**

**ToI. ISO2X/6HX**

Nominal Diameter D	L 1	L 2	D 2	☒	Art.-No.
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without Oil Groove/senza canali di espulsione

**DIN 371**

M 3 x 0.5	56	11	3.5	2.7	35550
M 4 x 0.7	63	13	4.5	3.4	35552
M 5 x 0.8	70	16	6.0	4.9	35553
M 6 x 1.0	80	19	6.0	4.9	35554
M 8 x 1.25	90	22	8.0	6.2	35555
M 10 x 1.5	100	24	10.0	8.0	35556

**DIN 376**

M 12 x 1.75	110	29	9.0	7.0	35557
M 14 x 2.0	110	30	11.0	9.0	35558
M 16 x 2.0	110	32	12.0	9.0	35559

with Oil Groove/con canali di espulsione

**DIN 371**

M 3 x 0.5	56	11	3.5	2.7	35650
M 4 x 0.7	63	13	4.5	3.4	35652
M 5 x 0.8	70	16	6.0	4.9	35653
M 6 x 1.0	80	19	6.0	4.9	35654
M 8 x 1.25	90	22	8.0	6.2	35655
M 10 x 1.5	100	24	10.0	8.0	35656

**DIN 376**

M 12 x 1.75	110	29	9.0	7.0	35657
M 14 x 2.0	110	30	11.0	9.0	35658
M 16 x 2.0	110	32	12.0	9.0	35659

**Application:**

**VAP (Steam Tempered):**

- for steel up to approx. 700 N/mm<sup>2</sup>

**Applicazione:**

**VAP (vaporizzato):**

- per acciaio a ca. 700 N/mm<sup>2</sup>





## Fluteless Machine Taps

metric ISO-thread DIN 13

## Maschi a rullare

filettatura metrica ISO DIN 13



**DIN 371/376**

**2.1/2 Thread Start**

**HSSE-TIN**

**ToI. ISO2X/6HX**

Nominal Diameter D	L 1	L 2	D 2	∅	Art.-No.
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without Oil Groove/senza canali di espulsione

### DIN 371

M 1 x 0.25	40	5	2.5	2.1	35520
M 1.1 x 0.25	40	5	2.5	2.1	35521
M 1.2 x 0.25	40	5	2.5	2.1	35522
M 1.4 x 0.3	40	7	2.5	2.1	35523
M 1.6 x 0.35	40	8	2.5	2.1	35524
M 1.7 x 0.35	40	8	2.5	2.1	35525
M 1.8 x 0.35	40	8	2.5	2.1	35526
M 2 x 0.4	45	8	2.8	2.1	35527
M 2.5 x 0.45	50	9	2.8	2.1	35528
M 3 x 0.5	56	11	3.5	2.7	35530
M 4 x 0.7	63	13	4.5	3.4	35532
M 5 x 0.8	70	16	6.0	4.9	35533
M 6 x 1.0	80	19	6.0	4.9	35534
M 8 x 1.25	90	22	8.0	6.2	35535
M 10 x 1.5	100	24	10.0	8.0	35536

### DIN 376

M 12 x 1.75	110	29	9.0	7.0	35537
M 14 x 2.0	110	30	11.0	9.0	35538
M 16 x 2.0	110	32	12.0	9.0	35539

with Oil Groove/con canali di espulsione

### DIN 371

M 3 x 0.5	56	11	3.5	2.7	35630
M 4 x 0.7	63	13	4.5	3.4	35632
M 5 x 0.8	70	16	6.0	4.9	35633
M 6 x 1.0	80	19	6.0	4.9	35634
M 8 x 1.25	90	22	8.0	6.2	35635
M 10 x 1.5	100	24	10.0	8.0	35636

### DIN 376

M 12 x 1.75	110	29	9.0	7.0	35637
M 14 x 2.0	110	30	11.0	9.0	35638
M 16 x 2.0	110	32	12.0	9.0	35639

### Application:

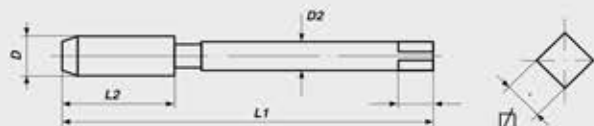
#### TIN (Titanium Nitride Coating):

- for steel up to approx. 900 N/mm<sup>2</sup>  
and to increase endurance and cutting speed

### Applicazione:

#### TIN (revestimento di nitrato di titanio):

- per acciaio a ca. 900 N/mm<sup>2</sup>  
per l'aumento della vita utensile e della velocità di taglio





## Fluteless Machine Taps (Forming Taps), *with oversize* metric ISO-thread DIN 13

## Maschi a rullare, *tolleranza maggiorata* metrica ISO DIN 13



**DIN 371/376      2.1/2 Thread Start      HSS-E      Tol. ISO3X/6GX**

Nominal Diameter D	L 1	L 2	D 2	Ø	Art.-No.
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**without Oil Groove/senza canali di espulsione**

**DIN 371**

M 3 x 0.5	56	11	3.5	2.7	35510-6G
M 4 x 0.7	63	13	4.5	3.4	35512-6G
M 5 x 0.8	70	16	6.0	4.9	35513-6G
M 6 x 1.0	80	19	6.0	4.9	35514-6G
M 8 x 1.25	90	22	8.0	6.2	35515-6G
M 10 x 1.5	100	24	10.0	8.0	35516-6G

**DIN 376**

M 12 x 1.75	110	29	9.0	7.0	35517-6G
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**with Oil Groove/con canali di espulsione**

**DIN 371**

M 3 x 0.5	56	11	3.5	2.7	35610-6G
M 4 x 0.7	63	13	4.5	3.4	35612-6G
M 5 x 0.8	70	16	6.0	4.9	35613-6G
M 6 x 1.0	80	19	6.0	4.9	35614-6G
M 8 x 1.25	90	22	8.0	6.2	35615-6G
M 10 x 1.5	100	24	10.0	8.0	35616-6G

**DIN 376**

M 12 x 1.75	110	29	9.0	7.0	35617-6G
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**Application:**

tolerance ISO 3 (6G) =  
oversize of 0,02 - 0,4 mm  
pre plate material for  
galvanising

**Applicazione:**

Classe di tolleranza ISO 3 (6G) =  
tolleranza maggiorata di 0,02 - 0,04 mm  
Per materiali con strato protettivo galvanico