



13280



13660



13800

Codice - Code

Norma - Standard

Filettatura - Thread form

Tipo foro - Hole type

Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Rivestimento - Coating

Ampiezza gamma - Size range

Pagina - Page

DIN 40433

Norma NUI

DIN-EN 22568

PG



M

HSSE

C

Punta da frantumazione  
maschi rotti  
Broken taps crunching drill

7:48

95

HM

3,3:10,2

2:52

96

HSS

i.c.-s.p.

6g

Lap

2:52

97

### Impieghi - Applications

Acciaio Steel	magnetico - magnetic	●	○
	costruzione - structural	○	○
	carbonio - carbon	○	○
	legato - alloys < 850 N/mm <sup>2</sup>	●	●
	legato/trattato - alloys/hardened >850<1150 N/mm <sup>2</sup>	●	●
Inox Stainless steel	alta resistenza - heat resistant		
	automatico - automatic		●
	austenitico - austenitic		●
	ferritico-aust., martensitico - ferritic-aust., martensitic < 850 N/mm <sup>2</sup>		
Ghisa Cast iron	ferritico-aust., martensitico - ferritic-aust., martensitic >850<1150 N/mm <sup>2</sup>		
	ghisa - cast iron < 700 N/mm <sup>2</sup>	●	○
	ghisa - cast iron > 700 N/mm <sup>2</sup>	●	○
Titanio Titanium	puro - pure		
	leghe - alloys < 900 N/mm <sup>2</sup>		●
	leghe - alloys >900 <1250 N/mm <sup>2</sup>		
Nichel Nickel	puro - pure		●
	leghe - alloys < 850 N/mm <sup>2</sup>		●
	leghe - alloys >850 <1150 N/mm <sup>2</sup>		●
Rame - Copper	puro - pure		●
Ottone, bronzo Brass, bronze	truciolli corti - short chips	●	●
	truciolli lunghi - long chips	●	●
	leghe - alloys Cu-Al-Fe		●
Alluminio Aluminium	puro - pure		○
	leghe - alloys Si < 1,5	●	○
	leghe - alloys Si > 1,5% <10%	●	○
	leghe - alloys Si >10%; leghe di magnesio - magnesium alloys		●
Materie plastiche Plastics	termoplastiche - thermoplastics		●
	termoindurenti - thermosetting		●
	rinforzate con fibre - reinforced fiberglass	●	●

<b>13801</b>	<b>13804</b>	<b>13805</b>	<b>13810</b>	<b>13815</b>	<b>13820</b>	<b>13830</b>	<b>13840</b>
DIN-EN 22568	DIN-EN 22568	DIN-EN 22568	DIN-EN 22568	DIN-EN 22568	DIN-EN 22568	DIN-EN 22568	DIN-EN 22568
M	M	M	MF	MF	BSW	BSP	UNC
HSS	HSSE	HSSE	HSS	HSS	HSS	HSS	HSS
i.c.-s.p.	i.c.-s.p.	i.c.-s.p.	i.c.-s.p.	i.c.-s.p.	i.c.-s.p.	i.c.-s.p.	i.c.-s.p.
6g	6g	6g	6g	6g	media-medium	media-medium	2A
Lap	Lap	Lap	Lap	Lap	Lap	Lap	Lap
3:24	3:20	3:20	2:52	3:24	3:32°:1,1/12°	1/8°:2°	n°4:2°
<b>97</b>	<b>97</b>	<b>97</b>	<b>98</b>	<b>98</b>	<b>100</b>	<b>101</b>	<b>102</b>
○ = molto indicato - very suitable, ● = indicato - suitable							
○	○	○	○	○	○	○	○
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		●					
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Codice - Code	13850	13880	13860
Norma - Standard	DIN-EN 22568	DIN-EN 22568	DIN-EN 24230
Filettatura - Thread form	UNF	PG	BSPT
Tipo foro - Hole type			
Materiale - Material	HSS	HSS	HSS
Imbocco - Chamfer	i.c.-s.p.		
Tolleranza - Tolerance	2A		
Rivestimento - Coating	Lap	Lap	Lap
Ampiezza gamma - Size range	n°4:1,1/2"	n°7:48"	n°1/8"-2"
Pagina - Page	103	104	105

Impieghi - Applications				
Acciaio Steel	magnetico - magnetic	○	●	○
	costruzione - structural	○	○	○
	carbonio - carbon	○	○	○
	legato - alloys < 850 N/mm <sup>2</sup>	●	●	●
	legato/trattato - alloys/hardened >850<1150 N/mm <sup>2</sup>		●	
Inox Stainless steel	alta resistenza - heat resistant			
	automatico - automatic	●		●
	austenitico - austenitic	●		●
	ferritico-aust., martensitico - ferritic-aust., martensitic < 850 N/mm <sup>2</sup>			
Ghisa Cast iron	ferritico-aust., martensitico - ferritic-aust., martensitic >850<1150 N/mm <sup>2</sup>			
	ghisa - cast iron < 700 N/mm <sup>2</sup>	○	●	○
	ghisa - cast iron > 700 N/mm <sup>2</sup>	○	●	○
Titanio Titanium	puro - pure			
	leghe - alloys < 900 N/mm <sup>2</sup>	●		●
Nichel Nickel	leghe - alloys >900 <1250 N/mm <sup>2</sup>			
	puro - pure	●		●
	leghe - alloys < 850 N/mm <sup>2</sup>	●		●
Rame - Copper	leghe - alloys >850 <1150 N/mm <sup>2</sup>	●		●
	puro - pure	●		●
	trucioli corti - short chips	●	●	●
Ottone, bronzo Brass, bronze	trucioli lunghi - long chips	●	●	●
	leghe - alloys Cu-Al-Fe			
	puro - pure	○		○
Alluminio Aluminium	leghe - alloys Si < 1,5	○	●	○
	leghe - alloys Si > 1,5% <10%	○	●	○
	leghe - alloys Si >10%; leghe di magnesio - magnesium alloys	●		●
	termoplastiche - thermoplastics	●		●
Materie plastiche Plastics	termoindurenti - thermosetting	●	●	●
	rinforzate con fibre - reinforced fiberglass	●		●



**13870**

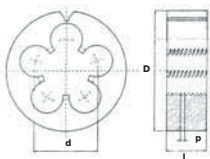


**13856**

=DIN-EN 24230	DIN 225
NPT	
HSS	
Lap	
n°1/8°:2°	0:12
106	107

○ = molto indicato - very suitable, ● = indicato - suitable

○	
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M

DIN-EN  
22568

2xD



13801 = sinistra - LH

13804 = per macchine automatiche - for automatic machines

13805 = per inox - for stainless steel

Codice - Code

Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Finitura - Finishing

13800



13801

13804

13805

HSS

i.c.-s.p.

6g

Lap

HSS

i.c.-s.p.

6g

Lap

HSSE

i.c.-s.p.

6g

Lap

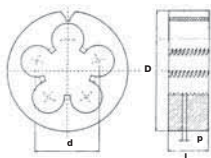
HSSE

i.c.-s.p.

6g

Lap

M d mm	p mm	D mm	I mm		Prezzo Euro	Prezzo Euro	D mm	Prezzo Euro	Prezzo Euro
2	0,4	16	5	1,95	• 26,89				
2,5	0,45	16	5	2,45	• 31,02				
2,6	0,45	16	5	2,95	• 31,02				
3	0,5	20	5	2,93	24,66	• 32,62	16	43,51	31,09
3,5	0,6	20	5	3,41	29,01	• 37,99			
4	0,7	20	5	3,91	24,43	32,62	16	43,51	31,09
4,5	0,75	20	7	4,4	• 28,45	• 37,26			
5	0,8	20	7	4,9	24,43	32,62	20	34,17	32,53
5,5	0,9	20	7	5,4	• 36,67	• 32,62			
6	1	20	7	5,88	24,20	32,62	20	34,17	32,53
7	1	25	9	6,88	24,89	• 44,85	25	40,73	
8	1,25	25	9	7,87	26,32	43,25	25	34,17	35,84
9	1,25	25	9	8,86	• 33,77	• 43,86			
10	1,5	30	11	9,85	32,83	43,25	30	47,52	44,56
11	1,5	30	11	10,85	• 38,61	• 63,20			
12	1,75	38	14	11,83	43,93	58,86	35	63,08	62,75
14	2	38	14	13,82	43,93	58,86	35	63,08	62,75
16	2	45	18	15,82	63,59	84,23	45	90,28	89,78
18	2,5	45	18	17,79	66,26	• 87,89	55	135,82	93,68
20	2,5	45	18	19,79	65,64	87,89	55	135,82	93,68
22	2,5	55	22	21,79	97,64	126,61			
24	3	55	22	23,77	97,64	128,16			
27	3	65	25	26,77	136,85				
30	3,5	65	25	29,73	136,85				
33	3,5	65	25	32,73	151,05				
36	4	65	25	35,7	151,05				
39	4	75	30	38,7	206,78				
42	4,5	75	30	41,69	206,78				
45	4,5	90	36	44,69	384,64				
48	5	90	36	47,66	384,64				
52	5	90	36	51,66	384,64				



MF

DIN-EN  
22568

2xD



13815 = sinistra - LH

13810

13815

Codice - Code

Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Finitura - Finishing

HSS

i.c.-s.p.

6g

Lap

HSS

i.c.-s.p.


6g

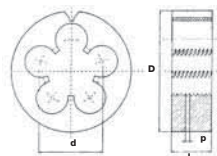
Lap

MF d mm	p mm	D mm	I mm		Prezzo Euro	Prezzo Euro
2	0,25	16	5	1,97	• 34,73	
2,2	0,25	16	5	1,92	• 34,73	
2,5	0,35	16	5	2,44	• 34,73	
2,6	0,35	16	5	2,54	• 34,73	
3	0,35	20	5	2,94	• 25,85	30,35
3,5	0,35	20	5	3,44	• 29,00	37,90
4	0,5	20	5	3,92	• 25,85	30,35
4,5	0,5	20	5	4,42	• 28,35	37,09
5	0,5	20	5	4,92	• 24,23	31,66
5,5	0,5	20	5	5,42	• 36,67	
6	0,75	20	7	5,90	• 25,49	31,66
7	0,75	25	9	6,90	• 27,47	35,87
8	0,5	25	9	7,92	• 33,12	
8	0,75	25	9	7,90	• 27,47	35,30
8	1	25	9	7,88	• 27,09	35,87
9	0,5	25	9	8,92	• 34,09	
9	0,75	25	9	8,90	• 34,09	
9	1	25	9	8,88	• 34,09	44,08
10	0,5	30	11	9,92	• 33,69	
10	0,75	30	11	9,90	• 33,69	44,08
10	1	30	11	9,88	• 38,19	44,08
10	1,25	30	11	9,86	• 38,19	51,05
11	0,5	30	11	10,92	• 39,10	
11	0,75	30	11	10,90	• 39,10	
11	1	30	11	10,88	• 39,10	50,31
11	1,25	30	11	10,86	• 39,10	50,31
12	0,75	38	10	11,90	• 44,84	
12	1	38	10	11,88	• 44,22	58,68
12	1,25	38	10	11,86	• 49,79	58,68
12	1,5	38	10	11,85	• 49,79	65,99
14	0,75	38	10	13,90	• 44,84	
14	1	38	10	13,88	• 44,84	58,68
14	1,25	38	10	13,86	• 51,12	58,68

• Nuove misure - New sizes

NUOVO - NEW

					13810	13815
MF d mm	p mm	D mm	l mm		Prezzo Euro	Prezzo Euro
14	1,5	38	10	13,85	50,42	66,80
15	1	38	10	14,88	64,12	83,59
15	1,5	38	10	14,85	64,12	83,59
16	0,75	45	14	15,90	* 64,12	
16	1	45	14	15,88	64,12	83,59
16	1,5	45	14	15,85	63,24	83,59
18	0,75	45	14	17,90	66,96	
18	1	45	14	17,88	66,96	87,49
18	1,5	45	14	17,85	66,03	87,49
20	0,75	45	14	19,90	* 66,87	
20	1	45	14	19,88	66,87	87,49
20	1,5	45	14	19,85	66,52	88,94
20	2	45	14	19,82	* 68,08	
22	0,75	55	16	21,90	* 102,57	
22	1	55	16	21,88	102,57	125,78
22	1,5	55	16	21,85	96,22	127,57
22	2	55	16	21,82	* 97,56	
24	1	55	16	23,88	120,34	
24	1,5	55	16	23,85	120,34	127,57
24	2	55	16	23,82	118,67	157,67
25	1,5	65	18	24,85	139,38	
25	2	65	18	24,82	* 141,33	
27	1	65	18	26,88	* 141,33	
27	1,5	65	18	26,85	141,33	
27	2	65	18	26,82	141,33	
28	1,5	65	18	27,85	141,33	
28	2	65	18	27,82	141,33	
30	1	65	18	29,88	* 141,33	
30	1,5	65	18	29,85	* 141,33	
30	2	65	18	29,82	139,38	
32	1,5	65	18	31,85	153,29	
32	2	65	18	31,82	* 151,35	
33	1	65	18	32,88	* 152,64	
33	1,5	65	18	32,85	144,57	
33	2	65	18	32,82	144,57	
36	1,5	65	18	35,85	* 152,64	
36	2	65	18	35,82	152,64	
36	3	65	25	35,76	151,02	
39	1,5	75	20	38,85	152,64	
39	2	75	20	38,82	152,64	
39	3	75	30	38,76	151,02	
40	1,5	75	20	39,85	196,24	
40	2	75	20	39,82	196,24	
40	3	75	30	39,76	151,02	
42	1,5	75	20	41,85	196,24	
42	2	75	20	41,82	196,24	
42	3	75	30	41,76	196,24	
45	1,5	90	22	44,85	366,47	
45	2	90	22	44,82	366,47	
45	3	90	36	44,76	366,47	
48	1,5	90	22	47,85	* 366,47	
48	2	90	22	47,82	* 366,47	
48	3	90	36	47,76	* 366,47	
50	1,5	90	22	49,85	* 367,44	
50	2	90	22	49,82	* 367,44	
50	3	90	36	49,76	* 367,44	
52	1,5	90	22	51,85	* 367,44	
52	2	90	22	51,82	* 367,44	
52	3	90	36	51,76	* 367,44	



**BSW**

DIN-EN  
22568

2xD



**Codice - Code**

Materiale - Material	
Imbocco - Chamfer	
Tolleranza - Tolerance	
Finitura - Finishing	

**13820**

HSS

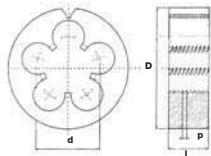
I.C.-S.P.

media - medium

Lap

BSW d"	filetti x 1" p	D mm	l mm	I	Prezzo Euro
3/32"	48	20	5	2,31	29,63
1/8"	40	20	5	3,09	26,35
5/32"	32	20	7	3,87	29,63
3/16"	24	20	7	4,66	26,35
7/32"	24	20	7	5,42	31,21
1/4"	20	25	7	6,24	28,00
9/32"	20	20	9	6,99	33,51
5/16"	18	25	9	7,82	28,98
3/8"	16	30	11	9,40	34,57
7/16"	14	30	11	10,98	35,39
1/2"	12	38	14	12,56	46,92
9/16"	12	38	14	14,14	50,13
5/8"	11	45	18	15,72	65,85
11/16"	11	45	18	17,17	65,85
3/4"	10	45	18	18,89	69,96
7/8"	9	55	22	22,10	98,77
15/16"	9	55	22	23,46	109,47
1"	8	55	22	25,27	108,64
1,1/8"	7	65	25	28,12	135,64
1,1/4"	7	65	25	31,30	147,83
1,3/8"	6	65	25	34,40	147,83
1,1/2"	6	75	30	37,57	206,43





**BSP**

**DIN-EN  
22568**

**2xD**



**13830**

**Codice - Code**

Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Finitura - Finishing

HSS

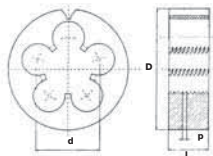
i.c.-s.p.

media - medium

Lap

BSP d"	filetti x 1" p	D mm	I mm		Prezzo Euro
G 1/8"	28	30	11	9,62	<b>39,25</b>
G 1/4"	19	38	10	13,03	<b>43,61</b>
G 3/8"	19	45	14	16,53	<b>63,42</b>
G 1/2"	14	45	14	20,81	<b>63,42</b>
G 5/8"	14	55	16	22,77	<b>97,72</b>
G 3/4"	14	55	16	26,30	<b>119,47</b>
G 7/8"	14	65	18	30,06	<b>138,11</b>
G 1"	11	65	18	33,07	<b>138,11</b>
G 1,1/8"	11	75	20	37,71	<b>182,52</b>
G 1,1/4"	11	75	20	41,73	<b>197,05</b>
G 1,3/8"	11	90	22	44,14	<b>366,47</b>
G 1,1/2"	11	90	22	47,62	<b>366,47</b>
G 1,3/4"	11	105	22	53,56	<b>+ 366,47</b>
G 2"	11	105	22	59,43	<b>+ 433,42</b>

\* Nuove misure - New sizes



**UNC**

**DIN-EN  
22568**

**2xD**



**Codice - Code**

Materiale - Material	
Imbocco - Chamfer	
Tolleranza - Tolerance	
Finitura - Finishing	

**13840**

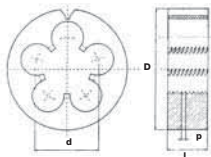
HSS

i.c.-s.p.

2A

Lap

UNC d"	filetti x 1"	D mm	l mm		Prezzo Euro
n° 4	40	20	5	2,76	• 26,09
n° 5	40	20	5	3,09	• 26,09
n° 6	32	20	5	3,41	• 26,09
n° 8	32	20	5	4,07	• 26,09
n° 10	24	20	7	4,71	• 26,09
n° 12	24	20	7	5,37	• 26,09
1/4"	20	20	7	6,20	• 28,13
5/16"	18	25	9	7,80	• 28,13
3/8"	16	30	11	9,37	• 33,75
7/16"	14	30	11	10,95	• 33,75
1/2"	13	38	14	12,52	• 47,28
9/16"	12	38	14	14,10	• 49,23
5/8"	11	45	18	15,68	• 67,65
3/4"	10	45	18	18,84	• 67,65
7/8"	9	55	22	22,00	• 98,55
1"	8	55	22	25,16	• 129,59
1,1/8"	7	65	25	28,31	• 174,00
1,1/4"	7	65	25	31,49	• 198,80
1,3/8"	6	65	25	34,63	• 221,97
1,1/2"	6	75	30	37,81	• 308,04
1,3/4"	5	90	36	44,12	• 481,98
2"	4,5	90	36	50,45	• 578,74



**UNF**

**DIN-EN  
22568**

**2xD**



**Codice - Code**

Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Finitura - Finishing

**13850**

HSS

i.c.-s.p.

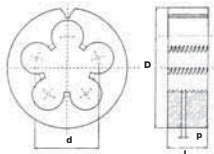
2A

Lap

UNF d"	filetti x 1" p	D mm	l mm		Prezzo Euro
n°4	48	16	5	2,77	• 26,10
n°5	44	20	5	3,10	26,10
n°6	40	20	5	3,42	26,10
n°8	36	20	5	4,08	26,10
n°10	32	20	7	4,73	26,10
n°12	28	20	7	5,38	26,10
1/4"	28	20	7	6,24	28,14
5/16"	24	25	9	7,82	28,14
3/8"	24	30	11	9,41	33,14
7/16"	20	30	11	10,98	33,76
1/2"	20	38	10	12,56	47,29
9/16"	18	38	10	14,14	49,24
5/8"	18	45	14	15,73	67,66
3/4"	16	45	14	18,89	67,66
7/8"	14	55	16	22,05	98,58
1"	12	55	16	25,21	129,62
1,1/8"	12	65	18	28,38	• 174,65
1,1/4"	12	65	18	31,56	• 198,80
1,3/8"	12	65	18	34,73	• 221,97
1,1/2"	12	75	20	37,91	• 308,04

\* Nuove misure - New sizes




**BSPT**
**DIN-EN  
24230**
**2xD**

 Conicità 1:16  
 Taper 1:16

**Codice - Code**

Materiale - Material	HSS
Imbocco - Chamfer	
Tolleranza - Tolerance	
Finitura - Finishing	Lap

**13860**

<b>BSPT d</b>	<b>filetti x 1"</b> p	<b>D mm</b>	<b>l mm</b>	<b>Prezzo Euro</b>
Rc1/8"	28	30	11	<b>68,65</b>
Rc1/4"	19	38	14	<b>68,65</b>
Rc3/8"	19	45	18	<b>96,10</b>
Rc1/2"	14	45	22	<b>96,10</b>
Rc3/4"	14	55	22	<b>189,78</b>
Rc1"	11	65	25	<b>218,05</b>
Rc1,1/4"	11	75	30	<b>396,52</b>
Rc1,1/2"	11	90	36	<b>618,60</b>
Rc2"	11	105	36	<b>833,82</b>



DIN 225



13856

**Codice - Code**

Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Finitura - Finishing

<b>Grandezza Size</b>	<b>mm/min</b>	<b>mm/max</b>	<b>M/min</b>	<b>M/max</b>	<b>Prezzo Euro</b>
0	16	5	M 1	M 2,6	11,51
1	20	5	M 3	M 4	12,99
2	20	7	M 4,5	M 6	12,99
3	25	9	M 7	M 9	16,33
4	30	11	M 10	M 11	16,33
5	38	14	M 12	M 14	18,47
6	38	10	MF 12	MF 14	18,47
7	45	18	M 16	M 20	27,18
8	45	14	MF 16	MF 20	27,18
9	55	22	M 22	MF 24	32,40
10	55	16	MF 22	MF 26	32,40
11	65	25	M 27	M 36	57,16
12	65	18	MF 27	MF 36	57,17