



METALLO



Maschi e filiere



Precisione e qualità

La buona qualità è il miglior marketing, perché i clienti soddisfatti sono alla base del nostro successo.

Il nostro principio più importante che ci ispira è l'impegno per prodotti di altissimo livello per soddisfare le esigenze dei nostri clienti al massimo della loro soddisfazione.

Una missione che cerchiamo di realizzare ogni giorno per la nostra filosofia aziendale.

Il nostro controllo di qualità inizia con il ricevimento della merce e continua fino alla spedizione dei prodotti. La soddisfazione del cliente non arriva per caso. I continui test di qualità influenzano anche lo sviluppo di nuovi prodotti. Nuove idee e i più moderni impianti di produzione migliorano i nostri prodotti e li rendono ancora più precisi.



Baer, tradizione ed esperienza

Da oltre 35 anni Baer si occupa di ciò che sa fare meglio: la tecnologia della filettatura.

Grazie a questo vasto tesoro di esperienza, si è affermata come un esperto da cui i clienti possono trarre vantaggio. Orgogliosa di essere un'azienda familiare in quanto l'identificazione con l'azienda è ancora più forte e distintiva. Ogni cliente, ogni successo è allo stesso tempo un affare di cuore. La tradizione, unita all'innovazione e al progresso, la rende un partner flessibile e competente quando si tratta di utensili per la filettatura. La missione: contribuire a un futuro di successo e sviluppare utensili che soddisfino tutti i tipi di requisiti dei nostri clienti.



Sviluppo e miglioramento

Essenziale per la sostenibilità del nostro lavoro è investire costantemente a lungo termine in nuovi prodotti innovativi. Il massimo impegno nella ricerca e nello sviluppo si concentra sulle esigenze dei nostri clienti. I nostri strumenti rappresentano soluzioni pratiche e affidabili che favoriscono un'applicazione efficiente e semplice. Le nostre collaborazioni con altre industrie, aziende e istituti di ricerca rendono possibile un forte networking: nuove ispirazioni nascono dalle innovazioni, vengono prodotte, testate e adattate alla pratica.

Tutti i membri della nostra azienda contribuiscono alle nostre innovazioni con il loro know-how individuale.



Rivenditori

Per assicurare la capillare distribuzione dei nostri prodotti cerchiamo la collaborazione di rivenditori locali, mettendo a disposizione:

- Ampia gamma di prodotti, con miglior rapporto di convenienza
- Qualità ed affidabilità, per soddisfare ogni esigenza
- Decenni di esperienza nella tecnologia da taglio
- Partnership e aiuto alla vendita
- Prodotti esclusivi
- Esclusiva territoriale
- Prodotti qualificanti
- Condizioni convenienti
- Prodotti innovativi

M Filettatura Metrica ISO DIN 13



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MF Filettatura Metrica fine ISO DIN 13



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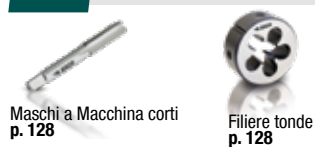
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RC (BSPT)

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RP(BSPP)

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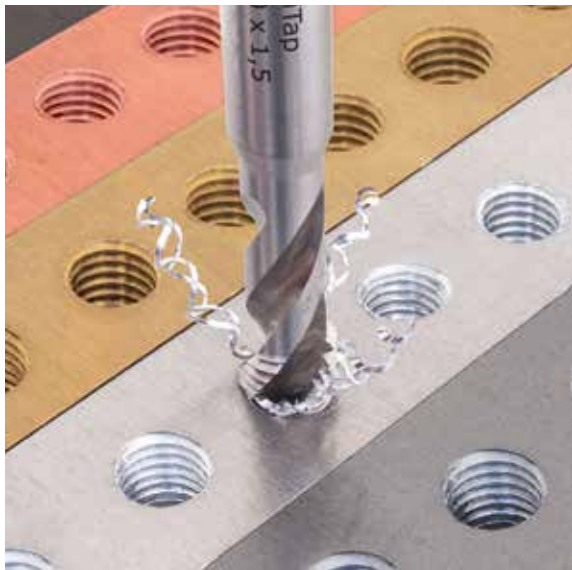
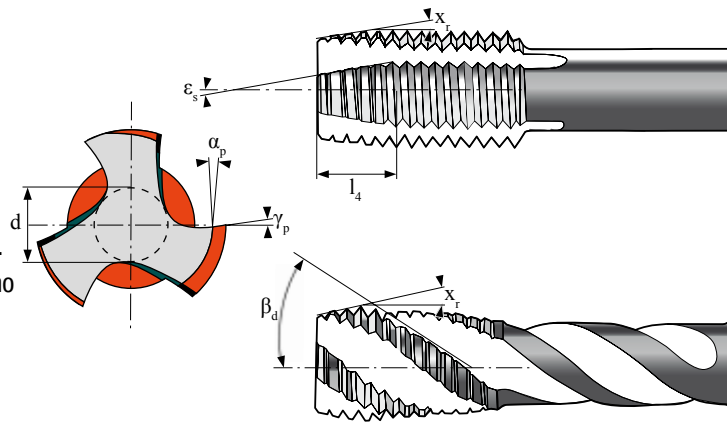
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UNiTAP - Esclusiva geometria del tagliente

La geometria unica dei maschi UNiTAP è il risultato di anni di ricerca, che consente all'utente di lavorare tutti i materiali e rende il maschio universalmente adatto a quasi tutte le applicazioni.

Durante la filettatura interna, le forze maggiori si verificano in corrispondenza dello smusso di entrata, che viene notevolmente alleggerito dalle modifiche strutturali del maschio UNiTAP. La conseguenza è una coppia ridotta e una maggiore durata del maschio. Inoltre, le aree immediatamente successive allo smusso di entrata sono state modificate per condurre il truciolo in modo ottimale ed evitare possibili inceppamenti.

Il design stabilisce nuovi standard in termini di facilità d'uso, durata e versatilità.



Un professionista per tutte le applicazioni e materiali

- Acciai e leghe di acciaio fino a 1200 N/mm²
- Acciai inossidabili; acciai inossidabili fino a 1000 N/mm²
- VASteels; INOX; V2A; V4A
- Alluminio puro, leghe di alluminio fuse e lavorate
- Ghisa grigia e ghisa duttile/nodulare/sferoidale
- Ferro e ghisa malleabile fino a 1000 N/mm
- Titanio e leghe al titanio fino a 900 N/mm
- Nichel puro e leghe al nichel fino a 900 N/mm
- Rame puro e sue leghe, ottone, bronzo

Flessibilità e convenienza

Grazie alle sue possibilità di applicazione universale, un UNiTAP può svolgere il lavoro di diversi maschi tradizionali. Di conseguenza, è possibile risparmiare circa il 90% delle spese.

Comparazione di costi:

Maschi a Macchina M6 per	€ / pz.
acciaio normale	6,98
acciaio inossidabile	11,68
alluminio e sue leghe	34,57
ghisa e ghisa grigia	19,64
titanio e sue leghe	47,30
rame e ottone	11,81
totale:	131,98



stesso risultato con



HSSE UNiTAP Maschio a Macchina per fori passanti M 6

17,33 € risparmio oltre l'85%

Rivestimenti

Su richiesta, i maschi sono disponibili anche con rivestimento TIN o TiAlN. Il trattamento superficiale TIN (nitruro di titanio giallo oro) aumenta la durezza superficiale (circa 2300 HV) e le proprietà di scorrimento. Di conseguenza, garantisce migliori prestazioni di taglio e una maggiore durata dell'utensile. Il trattamento superficiale TiAlN aumenta la durezza superficiale (circa 3300 HV), le proprietà di scorrimento (coefficiente di attrito: 0,25) e la resistenza alle temperature fino a 800°C. Di conseguenza, garantisce migliori prestazioni di taglio e una maggiore durata dell'utensile.



Esempi di materiale, applicazione e velocità di taglio

Acciaio dolce, acciaio al carbonio, acciaio da costruzione		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
1.1014	RFe80	25 - 50	25 - 50
1.0570	St52-3	25 - 50	25 - 50
1.0718	9SMnPb28	25 - 50	25 - 50
1.6523	20NiCrMo2	6 - 30	6 - 30
Acciai inox (ferritici, austenitici, martensitici)		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
1.4104	X14CrMoS17	12 - 35	12 - 35
1.4301	X5CrNi18-10 (V2A)	12 - 15	12 - 15
1.4571	X6CrNiMoTi17-12-2 (V4A)	12 - 15	12 - 15
1.4125	X105CrMo17	12 - 15	12 - 15
Ghisa grigia		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
0.6010	GG10	35 - 50	35 - 50
0.6020	GG20	35 - 50	35 - 50
0.6030	GG30	35 - 50	35 - 50
0.6040	GG40	35 - 50	35 - 50
Titanio puro e leghe al titanio		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
3.7024	Ti99.5	3 - 15	3 - 15
3.7034	Ti99.7	3 - 15	3 - 15
3.7165	TiAl6V4	1 - 5	1 - 5
3.7174	TiAl6V4Sn2	1 - 5	1 - 5
Alluminio puro, leghe di alluminio fuse e lavorate		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
3.0205	Al99	50 - 65	50 - 65
3.1645	AlCuMgPb	50 - 65	50 - 65
3.2373	G-AlSi9Mg	40 - 65	40 - 65
3.2583	G-AlSi12(Cu)	40 - 65	40 - 65

Acciaio al carbonio, acciaio per molle, leghe di acciaio, acciaio bonificato		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
1.0503	C45	20 - 30	20 - 30
1.1269	Ck85	20 - 30	20 - 30
1.7218	25CrMo4	6 - 30	6 - 30
1.2344	X40CrMoV5-1	6 - 30	6 - 30
Nichel puro e leghe di nichel		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
1.3926	RNi12	3 - 10	3 - 10
2.4668	NiCr19Fe19NbMo (Inconel 718)	3 - 10	3 - 10
2.4630	Ni-Cr20Ti (Nimonic 75)	1 - 5	1 - 5
2.4665	NiCr22Fe18Mo (Hastelloy X)	1 - 5	1 - 5
Ghisa grigia e ghisa duttile/nodulare/sferoidale		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
0.7040	GGG40	12 - 45	12 - 45
0.7060	GGG60	12 - 45	12 - 45
0.7070	GGG70	12 - 45	12 - 45
0.8035	GTW35-04	10 - 25	10 - 25
Rame puro, leghe di rame, ottone, bronzo		velocità di taglio v_c in m/min per Maschi a Macchina per fori passanti	velocità di taglio v_c in m/min per Maschi a Macchina per fori ciechi
2.0065	E-Cu 58	50 - 60	50 - 60
2.1247	CuBe2	30 - 65	30 - 65
2.0360	CuZn40	30 - 65	30 - 65
2.1020	CuSn6	12 - 20	12 - 20

velocità di taglio v_c [m/min] = (diametro * π * numero di giri) / 1000
 numero di giri n [1/min] = (velocità di taglio in m/min * 1000) / (diametro * π)
 programmazione dell'avanzamento [mm/min] = numero di giri * passo
 Si tenga presente che le velocità di taglio sopra indicate sono solo indicative. La giusta velocità di taglio dipende dalla lubrificazione e dall'applicazione.

Si raccomanda pasta da taglio, olio da taglio o emulsione.

Prodotti speciali

A richiesta siamo in grado di fornire prodotti speciali

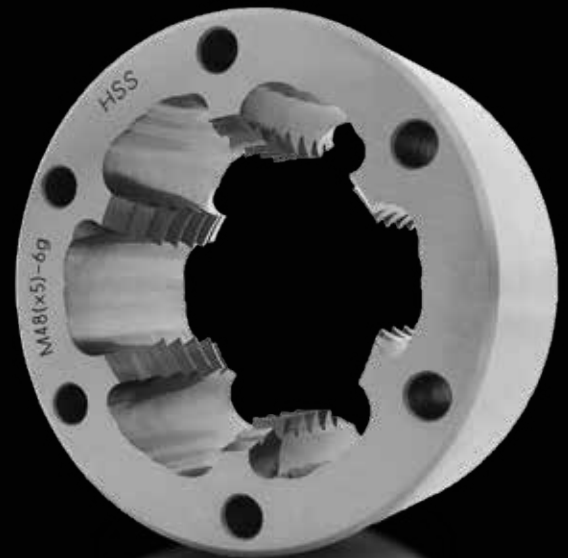
I nostri clienti beneficiano della nostra flessibilità e del nostro know-how tecnico quando si tratta di progettare e produrre utensili di filettatura speciali

- filetti con profilo speciale
- misure speciali
- misure intermedie
- geometrie speciali
- maschi speciali
- filiere speciali
- materiali speciali
- produzioni urgenti

Esempi di prodotti speciali



Prodotti speciali



Invia la tua richiesta

INTENSE s.r.l.
Via Novara 1 - 20060 Cernusco Sul Naviglio (MI)
Tel. +39 02 921815.1 - Fax +39 02 92104594
www.intense.it - info@intense.it

www.intense-shop.it

UNITap Set M 3 - M 12

HSSE UNITap Maschi a Macchina per fori passanti
incl. HSSE/Co Punta da trapano extreme

Art.:
1401#04030001



Fori passanti
fino a 4 x D



rimozione
del truciolo



Forma B con
punta a spirale



4-5 filetti

TOL



ISO2/6H

Contenuto del set

UNITap HSSE	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi a Macchina per fori passanti	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE/Co Punta da trapano extreme	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm

UNITap Set M 3 - M 12

HSSE UNITap Maschi a Macchina per fori ciechi
incl. HSSE/Co Extreme Punta da trapano

Art.:
1401#06030001



fori ciechi
fino a 3 x D



rimozione
del truciolo



Forma C
40° Spirale
destra



2-3 filetti

TOL



ISO2/6H

Contenuto del set

UNITap HSSE	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi a Macchina per fori ciechi	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE/Co Punta da trapano extreme	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm



Maschi Corti a Macchina Set M 3 - M 12

HSSG Maschi Corti a Macchina

incluse punte da trapano in HSS e giramaschi

Art.:
1401#01000001



fori passanti
e fori ciechi
fino a 2 x D



Rimozione
del truciolo



Forma C
scanalature
dritte



2-3 filetti



ISO2/6H



Contenuto del set

HSSG Maschi Corti a Macchina	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
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HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
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Giramaschi regolabile - zincato	M 1-12 1/16-1/2 G 1/8
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Maschi Corti a Macchina Set M 3 - M 12

HSSG Maschi Corti a Macchina (3 pezzi per dimensione)

incluse punte da trapano in HSS

Art.:
1401#01000002



fori passanti
e fori ciechi
fino a 2 x D



Rimozione
del truciolo



Forma C
scanalature
dritte



2-3 filetti



ISO2/6H

Contenuto del set

HSSG Maschi Corti a Macchina 3 pezzi ogni dimensione	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
--	---

HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
--------------------------	--

Maschi a Macchina Set M 3 - M 12

HSSE Maschi a Macchina per fori passanti

incluse punte da trapano in HSS

Art.:
1401#04000001



fori passanti
fino a 4 x D



Rimozione
del truciolo



Forma B con
punta a spirale



4-5 filetti



ISO2/6H



Contenuto del set

HSSE Maschi a Macchina fori passanti	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
--	---

HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
--------------------------	--


 Art.:
1401#0600001

Maschi a Macchina Set M 3 - M 12

HSSE Maschi a Macchina per fori ciechi
incluse punte da trapano in HSS


 fori ciechi
fino a 3 x D

 Rimozione
del truciolo

 Forma C
scanalature a
spirale


2-3 filetti

TOL


ISO2/6H

Contenuto del set

HSSE	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi a Macchina per fori passanti	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG	2,5 mm 3,3 mm 4,2 mm 5,0 mm
Punte da trapano	6,8 mm 8,5 mm 10,2 mm

Maschi a Macchina Set M 3 - M 12

HSSE-TIN Maschi a Macchina per fori passanti
incl. HSS-TIN Punta da trapano


 fori passanti
e ciechi
fino a 4 x D

 rimozione
del truciolo

 Forma B con
punta a spirale


4-5 filetti

TOL


ISO2/6H

Contenuto del set

HSSE-TIN	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi a Macchina foro passante	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG-TIN	2,5 mm 3,3 mm 4,2 mm 5,0 mm
Punte da trapano	6,8 mm 8,5 mm 10,2 mm


 Art.:
1401#04250001

Maschi a Macchina Set M 3 - M 12

HSSE-TIN Maschi a Macchina per fori ciechi
incl. HSS-TIN Punta da trapano

 Art.:
1401#0604001

 fori ciechi
fino a 3 x D

 Rimozione
del truciolo

 Forma B con
punta a spirale


2-3 filetti

TOL


ISO2/6H

Contenuto del set

HSSE	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi a Macchina per fori ciechi	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG	2,5 mm 3,3 mm 4,2 mm 5,0 mm
Punte da trapano	6,8 mm 8,5 mm 10,2 mm



M

Filettatura Metrica / ISO DIN 13

Maschi a Macchina Set M 3 - M 12 per acciaio inossidabile

HSSE Maschi a Macchina per fori passanti
incl. HSSE/Co Punta da trapano Extreme


 fori passanti
fino a 4 x D

 rimozione
del truciolo

 Forma B con
punta a spirale


4-5 filetti

TOL


ISO2/6H


 Art.:
1401#04050001

Contenuto del set

HSSE Acciaio inox Maschi a Macchina fori passanti	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE punte da trapano Extreme	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm

Maschi a Macchina Set M 3 - M 12 per acciaio inossidabile

HSSE Maschi a Macchina per fori passanti
incl. HSSE Punta da trapano Extreme

 Art.:
1401#06050001

 fori ciechi
fino a 3 x D

 Rimozione
del truciolo

 Forma C
con spirale
destra


2-3 filetti

TOL


ISO2/6H

Contenuto del set

HSSE Stainless steel Maschi a Macchina per fori passanti	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE/Co Extreme Punta da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm

Maschi a Macchina Set M 3 - M 12 Passo Sinistro

HSSE Maschi a Macchina per fori passanti
incluse punte da trapano in HSS


 fori passanti
fino a 4 x D

 Rimozione
del truciolo

 Forma B con
punta a spirale


4-5 filetti

TOL


ISO2/6H


 Art.:
1401#04020001

Contenuto del set

HSSE Sinistro Maschi a Macchina passanti	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm

M

MF

G

(BSP)

UNC

UNF

UNS

UNEF

8

UN

12

UN

BSW

BSF

TR

NPT

NPTF

NPS

NPSM

RC

RP

BA

W

PG

FG

BSC

RD

RMS

MINI

Camera

(Tripod)

VG

Utensili

Info

tecniche


 Art.:
1401#06020001

Maschi a Macchina Set M 3 - M 12 Passo Sinistro

 HSSE Maschi a Macchina per fori ciechi
incluse punte da trapano in HSS

 fori ciechi
fino a 3 x D

 Rimozione
del truciolo

 Forma C
scanalature
a spirale


2-3 filetti

TOL


ISO2/6H

Contenuto del set

HSSE Sinistro	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi a Macchina per fori passanti	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG	2,5 mm 3,3 mm 4,2 mm 5,0 mm
Punte da trapano	6,8 mm 8,5 mm 10,2 mm

Bit Maschi Corti a Macchina Set M 3 - M 10

 HSSG-Maschi a inserto Bit
incl. adattatore esagonale per inserti

 fori passanti
e ciechi
fino a 2 x D

 Rimozione
del truciolo

 Forma D
scanalature
dritte


3-4 filetti

TOL


ISO2/6H

Contenuto del set

HSSG-Bit	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8
Maschi Corti a Macchina	M 6 x 1,0 M 8 x 1,25 M 10 x 1,5
1/4" Adattatore esagonale per inserti	


 Art.:
1401#12000001

Set combinato di maschi a inserto Set M 3 - M 10

 HSSG-Maschi a inserto Bit
incl. adattatore esagonale per inserti

 Art.:
1401#13000001

 fori passanti
fino a 1 x D

 Rimozione
del truciolo

TOL


ISO2/6H

Contenuto del set

HSSG- Maschi combinati a inserto Bit	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5
1/4" Adattatore esagonale per inserti	

Set di Maschi e Filiere M 3 - M 12
(immagine rappresentativa)



UNiTap Set M 3 - M 12

HSSE UNiTap Maschi a Macchina fori passanti & ciechi
HSSE Filiere tonde



UNiTap HSSE Maschi a Macchina per fori passanti (fino a 4 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
UNiTap HSSE Maschi a Macchina per fori ciechi (fino a 4 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE Filiere tonde con ingresso a spirale	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75

Art.:
1401#31030001

Set M 3 - M 12

HSSE Maschi a Macchina, Punte da trapano e
HSS Filiere tonde

HSSE Maschi a Macchina Forma C per fori passanti & ciechi (fino a 2 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75

Art.:
1401#31010002

Set M 3 - M 12

HSSE Maschi a Macchina fori passanti & ciechi
HSS Filiere tonde

HSSE Maschi a Macchina Forma B con punta a spirale per fori passanti (fino a 4 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE Maschi a Macchina Forma C with right scanalature a spirale per fori ciechi (fino a 3 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75

Art.:
1401#31010001

Passo Sinistro Set M 3 - M 12

HSSE Passo Sinistro Maschi a Macchina, Punte da trapano e
HSS Passo Sinistro Filiere tonde

HSSE Maschi a Macchina Sinistro Forma C per fori passanti & ciechi (fino a 2 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
HSS Filiere tonde Sinistre	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75

Art.:
1401#31030002

TIN Set M 3 - M 12

HSSE-TIN Maschi a Macchina fori passanti & ciechi
HSS Filiere tonde

HSSE-TIN Maschi a Macchina Forma B con punta a spirale per fori passanti (fino a 4 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE-TIN Maschi a Macchina Forma C con scanalature a spirale per fori ciechi (fino a 3 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75

Art.:
1401#31040001

Acciaio inox Set M 3 - M 12

HSSE-Acciaio Inox Maschi a Macchina fori passanti & ciechi
HSSE-Acciaio Inox Filiere tonde

HSSE-Acciaio Inox Maschi a Macchina per fori passanti (fino a 4 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE-Acciaio Inox Maschi a Macchina per fori ciechi (fino a 3 x D)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSE-Acciaio Inox Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75

Art.:
1401#31020001

ULTRA Set per filettare



fori passanti e fori ciechi fino a 2 x D



Rimozione del truciolo



Forma C scanalature dritte



2-3 filetti

TOL



ISO2/6H

Contenuto del set M 3 - M 12

ULTRA Set Maschi a Mano (3 pezzi)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
Filire tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
PRO giramaschi regolabili	No. 1: M 1-10 1/16-3/8 G 1/8 No. 2: M 4-12 5/32-1/2 G 1/8
PRO Portafiliera	20 x 5 20 x 7 25 x 9 30 x 11 38 x 14
Giramaschi a cricchetto	M 3-10 M 5-12
Guide per filiere	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
Pasta da taglio	100 ml
Contafiletti	per filetti metrici
Estrattore di viti	

M 3 - 12



HSSG Set Maschi a Mano: Maschio sgrossatore con naso pilota

Art.: 1401#51010001



HSS Filiera tonda acc. to DIN 223

M 3 - 12

Acciaio inossidabile*



HSSE-VAP Set Maschi a Mano: Maschio sgrossatore con naso pilota

Art.: 1401#51050001



HSSE-NT Filiera tonda acc. to DIN 223

* contiene punte HSSE

Maschi Corti a Macchina Set M 3 - M 12

HSSG Maschi Corti a Macchina incluse punte da trapano in HSS e giramaschi in cassetta metallica



fori passanti e fori ciechi fino a 2 x D



Rimozione del truciolo



Forma C scanalature dritte



2-3 filetti

TOL



ISO2/6H

Contenuto del set

HSSG Maschi Corti a Macchina	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG Punte da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
Giramaschi regolabile - zincato	M 1-12 1/16-1/2 G 1/8

Art.: 1401#52010001



Set di Maschi a mano, Filiere tonde e utensili



fori passanti
e fori ciechi
fino a 2 x D



Rimozione
del truciolo



Forma C
scanalature
dritte



2-3 filetti

TOL



ISO2/6H

Art.:
1401#53010001

Contenuto del set M 3 - M 12

HSSG	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0
Set Maschi a Mano (3 pz)	M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSS	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0
Filiere tonde	M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
Giramaschi regolabile	No. 1.1/2: M 1-12 1/16-1/2 G 1/8
Portafiliera	25 x 9
Contafiletti	per filetti metrici
Estrattore di viti	



Set di punte



Set di punte da legno Ø 3 - 10 mm (15 pezzi)

Contenuto del set

3 x 3 mm | 2 x 3,5 mm | 2 x 4 mm | 1 x 4,5 mm
1 x 5 mm | 1 x 5,5 mm | 1 x 6 mm | 1 x 6,5 mm
1 x 7 mm | 1 x 8 mm | 1 x 10 mm

Art.:
1401#61010001



Set di punte per calcestruzzo e muratura Ø 3 - 10 mm (15 pezzi)

Contenuto del set

3 x 3 mm | 3 x 4 mm | 3 x 5 mm
2 x 6 mm | 2 x 8 mm | 2 x 10 mm

Art.:
1401#61010002



SDS-Plus Set punte a martello Ø 5 - 12 mm (7 pezzi) - 160 mm

Contenuto del set

1 x 5 mm | 2 x 6 mm | 2 x 8 mm
1 x 10 mm | 1 x 12 mm

Art.:
1401#61010003


**M 3 - 12
Standard**
**M 3 - 12
Sinistro**
**M 3 - 12
Acciaio
inossidabile***

 Art.:
1401#41010001

 Art.:
1401#41020001

 Art.:
1401#41050001

* contiene maschi e filiere HSSE

Set di Maschi a mano, Filiere tonde e Utensili


 fori passanti
e fori ciechi
fino a 2 x D

 Rimozione
del truciolo

 Forma C
scanalature
dritte


2-3 filetti

TOL


ISO2/6H

Contenuto del set M 3 - M 12

HSSG Set Maschi a Mano (3 pezzi)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75
HSSG Punta da trapano	2,5 mm 3,3 mm 4,2 mm 5,0 mm 6,8 mm 8,5 mm 10,2 mm
Giramaschi regolabile	M 1-10 1/16-3/8 G 1/8 M 4-12 5/32-1/2 G 1/8
Portafiliera	20 x 5 20 x 7 25 x 9 30 x 11 38 x 14
Giramaschi a cricchetto	M 3-10 M 5-12
Contafiletti	per filetti metrici
Estrattore di viti	


**M 3 - 20
Standard**
**M 3 - 20
Sinistro**
**M 3 - 20
Acciaio
inossidabile***

 Art.:
1401#42010001

 Art.:
1401#42020001

 Art.:
1401#42050001

* contiene maschi e filiere HSSE

Contenuto del set M 3 - M 20

HSSG Set Maschi a Mano (3 pezzi)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5
Giramaschi regolabile	M 1-10 1/16-3/8 G 1/8 M 5-20 7/32-3/4 G 1/8-G 1/2
Portafiliera	20 x 5 20 x 7 25 x 9 30 x 11 38 x 14 45 x 18
Giramaschi a cricchetto	M 3-10 M 5-12
Giramaschi a cricchetto	M 3-10 M 5-12
Contafiletti	per filetti metrici
Estrattore di viti	

M

Filettatura Metrica / ISO DIN 13

**Set di Maschi a mano,
Filiere tonde e
Utensili**
(immagine rappresentativa)



**Set M 3 - M 12 (incl. misure intermedie)
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili**

HSSG Set Maschi a Mano (3 pezzi)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 7 x 1,0 M 8 x 1,25 M 9 x 1,25 M 10 x 1,5 M 11 x 1,5 M 12 x 1,75
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 7 x 1,0 M 8 x 1,25 M 9 x 1,25 M 10 x 1,5 M 11 x 1,5 M 12 x 1,75
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 4-12 5/32-1/2 G 1/8
Portafilere - zincato	20 x 5 20 x 7 25 x 9 30 x 11 38 x 14
Estrattore di viti	

Art.:
1401#43010001

**Set M 5 - M 12 (incl. misure intermedie)
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili**

HSSG Set Maschi a Mano (3 pezzi)	M 5 x 0,8 M 6 x 1,0 M 7 x 1,0 M 8 x 1,25 M 9 x 1,25 M 10 x 1,5 M 11 x 1,5 M 12 x 1,75
HSS Filiere tonde	M 5 x 0,8 M 6 x 1,0 M 7 x 1,0 M 8 x 1,25 M 9 x 1,25 M 10 x 1,5 M 11 x 1,5 M 12 x 1,75
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 4-12 5/32-1/2 G 1/8
Portafilere - zincato	20 x 7 25 x 9 30 x 11 38 x 14
Estrattore di viti	

Art.:
1401#43010002

**Set M 5 - M 20 (incl. misure intermedie)
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili**

HSSG Set Maschi a Mano (3 pezzi)	M 5 x 0,8 M 6 x 1,0 M 7 x 1,0 M 8 x 1,25 M 9 x 1,25 M 10 x 1,5 M 11 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5
HSS Filiere tonde	M 5 x 0,8 M 6 x 1,0 M 7 x 1,0 M 8 x 1,25 M 9 x 1,25 M 10 x 1,5 M 11 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 5-20 7/32-3/4 G 1/8-G 1/2
Portafilere - zincato	20 x 7 25 x 9 30 x 11 38 x 14 45 x 18
Estrattore di viti	

Art.:
1401#43010003

**Set M 3 - M 24
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili**

HSSG Set Maschi a Mano (3 pezzi)	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5 M 22 x 2,5 M 24 x 3,0
HSS Filiere tonde	M 3 x 0,5 M 4 x 0,7 M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5 M 22 x 2,5 M 24 x 3,0
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 11-27 7/16-1" G 1/4-G 3/4
Portafilere - zincato	20 x 5 20 x 7 25 x 9 30 x 11 38 x 14 45 x 18 55 x 22
Estrattore di viti	

Art.:
1401#43010004

**Set M 5 - M 30
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili**

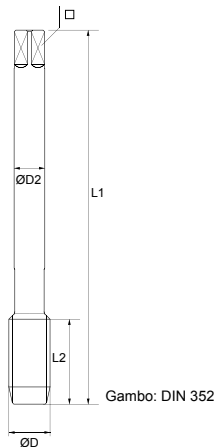
HSSG Set Maschi a Mano (3 pezzi)	M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5 M 22 x 2,5 M 24 x 3,0 M 27 x 3,0 M 30 x 3,5
HSS Filiere tonde	M 5 x 0,8 M 6 x 1,0 M 8 x 1,25 M 10 x 1,5 M 12 x 1,75 M 14 x 2,0 M 16 x 2,0 M 18 x 2,5 M 20 x 2,5 M 22 x 2,5 M 24 x 3,0 M 27 x 3,0 M 30 x 3,5
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 5-20 7/32-3/4" G 1/8-G 1/2 & M 13-32 1/2-1.1/4" G 1/4-1"
Portafilere - zincato	20 x 7 25 x 9 30 x 11 38 x 14 45 x 18 55 x 22 65 x 25
Estrattore di viti	

Art.:
1401#43010005

- ✓ Efficiente tagliente
- ✓ La struttura corta lo rende utilizzabile a mano e a macchina

Applicazione:

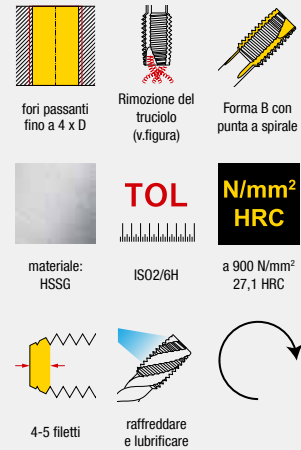
- ⚙ Materiale non abrasivo fino a 900 N/mm²
- ⚙ Acciaio non legato e debolmente legato



Maschi Corti a Macchina Forma D per fori passanti e fori ciechi



Maschi Corti a Macchina Forma B per fori passanti e fori ciechi



M	D1	D2	L1	L2	□	🔪	No.	No.
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	1201#010006YO	1201#020006YO
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	1201#010009QO	1201#020009QO
M 3,5 x 0,6	3,5	4,0	45	13	3,0	2,90	1201#01000A0O	1201#02000A0O
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	1201#01000BB0	1201#02000BB0
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	1201#01000E4O	1201#02000E4O
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	1201#01000GYO	1201#02000GYO
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	1201#01000MKO	1201#02000MKO
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	1201#01000S7O	1201#02000S7O
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	1201#01000XTO	1201#02000XTO
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	1201#010013GO	1201#020013GO
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	1201#0100190O	1201#0200190O
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	1201#01001EPO	1201#02001EPO
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	1201#01001K9O	1201#02001K9O
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	1201#01001PTO	1201#02001PTO
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	1201#01001VIO	1201#02001VIO
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	1201#010023UO	1201#020023UO
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	1201#01002CBO	1201#02002CBO

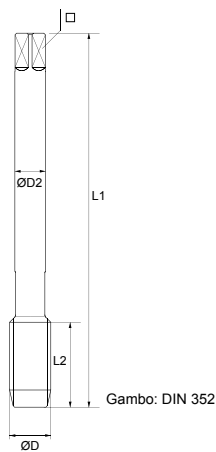
M

Filettatura Metrica / ISO DIN 13

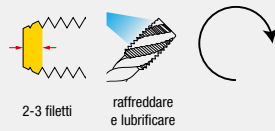
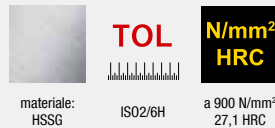
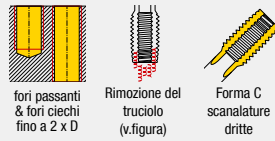
- ✓ Tagliante interno efficiente
- ✓ La struttura corta lo rende adatto all'uso a mano

Set a mano, include 3 maschi:

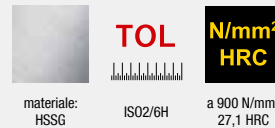
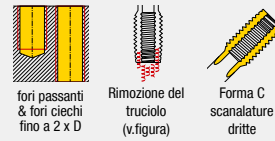
- ⚙ Maschio sgrossatore
- ⚙ Maschio intermedio
- ⚙ Maschio finitore



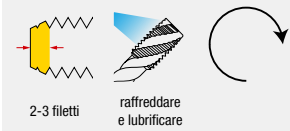
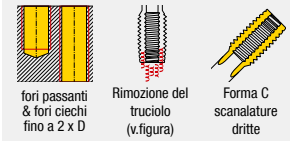
Set Maschi a Mano per uso generale



Set Maschi a Mano per uso generale Passo Sinistro



Set Maschi a Mano per acciaio inossidabile



M	D1	D2	L1	L2	□	🔧	No.	No.	No.
M 1 x 0,25	1,0	2,5	32	6	2,1	0,75	1201#030002U0		
M 1,1 x 0,25	1,1	2,5	32	6	2,1	0,85	1201#03000340		
M 1,2 x 0,25	1,2	2,5	32	6	2,1	0,95	1201#030003E0		
M 1,4 x 0,3	1,4	2,5	32	7	2,1	1,10	1201#030003Z0		
M 1,6 x 0,35	1,6	2,5	32	8	2,1	1,25	1201#030004J0		
M 1,7 x 0,35	1,7	2,5	32	8	2,1	1,30	1201#030004T0		
M 1,8 x 0,35	1,8	2,5	32	8	2,1	1,45	1201#03000530		
M 2 x 0,4	2,0	2,8	36	8	2,1	1,60	1201#03000500		
M 2,2 x 0,45	2,2	2,8	36	9	2,1	1,75	1201#03000680		
M 2,3 x 0,4	2,3	2,8	36	9	2,1	1,90	1201#030006I0		
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	1201#030006Y0		
M 2,6 x 0,45	2,6	2,8	40	9	2,1	2,10	1201#030007C0		
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	1201#030009Q0	1201#030209Q0	1201#030509Q0
M 3 x 0,6 *	3,0	3,5	40	11	2,7	2,40	1201#030008I0		
M 3,5 x 0,6	3,5	4,0	45	13	3,0	2,90	1201#03000A00		
M 3,5 x 0,75 *	3,5	4,0	45	13	3,0	2,75	1201#030009X0		
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	1201#03000BB0	1201#03020BB0	1201#03050BB0
M 4 x 0,75	4,0	4,5	45	13	3,4	3,25	1201#03000D70		
M 4,5 x 0,75	4,5	6,0	50	16	4,9	3,70	1201#03000CP0		
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	1201#03000E40	1201#03020E40	1201#03050E40
M 5 x 0,9 *	5,0	6,0	50	16	4,9	4,10	1201#03000E50		
M 5,5 x 0,9	5,5	6,0	50	18	4,9	4,60	1201#03000FJ0		
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	1201#03000GY0	1201#03020GY0	1201#03050GY0
M 7 x 1,0	7,0	6,0	50	19	4,9	6,00	1201#03000JQ0		
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	1201#03000MK0	1201#03020MK0	1201#03050MK0
M 9 x 1,25	9,0	7,0	63	22	5,5	7,80	1201#03000PC0		
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	1201#03000S70	1201#03020S70	1201#03050S70
M 11 x 1,5	11,0	8,0	70	24	6,2	9,50	1201#03000UZ0		
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	1201#03000XT0	1201#03020XT0	1201#03050XT0
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	1201#030013G0	1201#030213G0	

* passo speciale

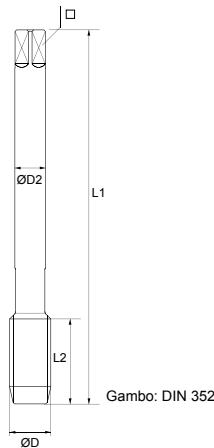
M

Filettatura Metrica / ISO DIN 13

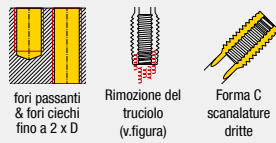
- ✓ Tagliante interno efficiente
- ✓ La struttura corta lo rende adatto all'uso a mano

Set a mano, include 3 maschi:

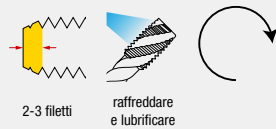
- ⚙ Maschio sgrossatore
- ⚙ Maschio intermedio
- ⚙ Maschio finitore



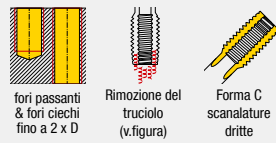
Set Maschi a Mano per uso generale



materiale: HSSG
TOL ISO2/6H
N/mm² HRC a 900 N/mm² 27,1 HRC



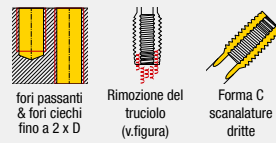
Set Maschi a Mano per uso generale Passo Sinistro



materiale: HSSG
TOL ISO2/6H
N/mm² HRC a 900 N/mm² 27,1 HRC



Set Maschi a Mano per acciaio inossidabile



materiale: HSSE temperato a vapore
TOL ISO2/6H
N/mm² HRC a 1400 N/mm² 44,5 HRC



M

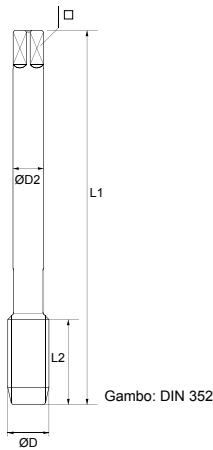
	D1	D2	L1	L2	□	🔧	No.	No.	No.
M 15 x 2,0	15,0	12,0	80	32	9,0	13,00	1201#03001680		
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	1201#03001900	1201#03021900	
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	1201#03001EP0	1201#03021EP0	
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	1201#03001K90	1201#03021K90	
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	1201#03001PT0	1201#03021PT0	
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	1201#03001VI0	1201#03021VI0	
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	1201#030023U0	1201#030223U0	
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	1201#03002CB0	1201#03022CB0	
M 33 x 3,5	33,0	25,0	125	56	20,0	29,50	1201#03002KNO	1201#03022KNO	
M 36 x 4,0	36,0	28,0	150	63	22,0	32,00	1201#03002T40	1201#03022T40	
M 39 x 4,0	39,0	32,0	150	63	24,0	35,00	1201#030031G0	1201#030231G0	
M 42 x 4,5	42,0	32,0	150	63	24,0	37,50	1201#030039X0	1201#030239X0	
M 45 x 4,5	45,0	36,0	160	70	29,0	40,50	1201#03003I90	1201#03023I90	
M 48 x 5,0	48,0	36,0	180	75	29,0	43,00	1201#03003QQ0	1201#03023QQ0	
M 52 x 5,0	52,0	40,0	180	75	32,0	47,00	1201#030041U0	1201#030241U0	
M 56 x 5,5	56,0	45,0	200	85	35,0	50,50	1201#03004D30		
M 60 x 5,5	60,0	45,0	200	85	35,0	54,50	1201#03004O70		
M 64 x 6,0	64,0	50,0	220	90	39,0	58,00	1201#03004ZG0		
M 68 x 6,0	68,0	50,0	220	90	39,0	62,00	1201#03005AK0		
M 72 x 6,0	72,0	50,0	240	80	39,0	66,00	1201#03005L00		
M 76 x 6,0	76,0	50,0	240	80	39,0	70,00	1201#03005WS0		
M 80 x 6,0	80,0	50,0	260	85	39,0	74,00	1201#030067W0		
M 84 x 6,0	84,0	50,0	260	85	39,0	78,00	1201#03006J00		
M 88 x 6,0	88,0	50,0	260	85	39,0	82,00	1201#03006U40		
M 90 x 6,0	90,0	50,0	260	85	39,0	84,00	1201#03006Z00		
M 92 x 6,0	92,0	56,0	280	90	44,0	86,00	1201#03007580		
M 96 x 6,0	96,0	56,0	280	90	44,0	90,00	1201#03007GCO		
M 100 x 6,0	100,0	56,0	280	90	44,0	94,00	1201#03007RGO		

* passo speciale

- ✓ Tagliante interno efficiente
- ✓ La struttura corta lo rende utilizzabile a macchina e a mano

Set a mano include 3 maschi:

- ⚙ Maschio sgrossatore
- ⚙ Maschio intermedio
- ⚙ Maschio finitore



Set Maschi a Mano con profilo conico

fori passanti & fori ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

materiale: HSSG

ISO2/6H

TOL

N/mm² HRC

a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

Set Maschi a Mano HSSE per materiali ad alta resistenza

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C con punta a spirale

materiale: HSSE

ISO2/6H

TOL

N/mm² HRC

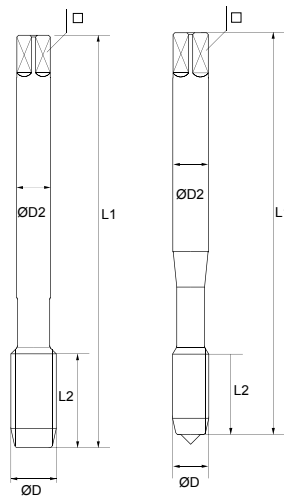
fino a 1000 N/mm² 32 HRC

2-3 filetti

raffreddare e lubrificare

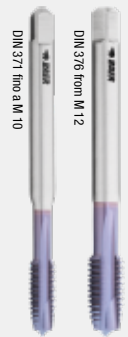
	D1	D2	L1	L2	□		No.	No.
M 2 x 0,4	2,0	2,8	36	8	2,1	1,60	1201#03130500	
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	1201#031306Y0	
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	1201#031309Q0	1201#030409Q0
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	1201#03130BB0	1201#03040BB0
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	1201#03130E40	1201#03040E40
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	1201#03130GY0	1201#03040GY0
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	1201#03130MK0	1201#03040MK0
M 9 x 1,25	9,0	7,0	63	22	5,5	7,80	1201#03130PC0	
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	1201#03130S70	1201#03040S70
M 11 x 1,5	11,0	8,0	70	24	6,2	9,50	1201#03130UZ0	
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	1201#03130XT0	1201#03040XT0
M 13 x 1,75	12,0	9,0	75	29	7,0	11,20	1201#031310L0	
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	1201#031313G0	1201#030413G0
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	1201#03131900	1201#03041900
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	1201#03131EPO	1201#03041EPO
M 19 x 2,5	18,0	14,0	95	40	11,0	16,50	1201#03131HH0	
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	1201#03131K90	1201#03041K90
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	1201#03131PT0	1201#03041PT0
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	1201#03131VIO	1201#03041VIO
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	1201#031323U0	1201#030423U0
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	1201#03132CB0	1201#03042CB0
M 33 x 3,5	33,0	25,0	125	56	20,0	29,50	1201#03132KN0	
M 36 x 4,0	36,0	28,0	150	63	22,0	32,00	1201#03132T40	
M 39 x 4,0	39,0	32,0	150	63	24,0	35,00	1201#031331G0	
M 42 x 4,5	42,0	32,0	150	63	24,0	37,50	1201#031339X0	

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 376 Gambo: DIN 371

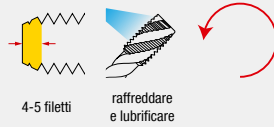
Maschi a Macchina per uso universale



Maschi a Macchina per uso generale

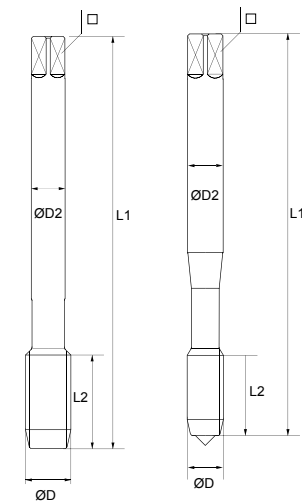


Maschi a Macchina per uso generale Passo sinistro



M	D1	D2	L1	L2	□	🔩	No.	No.	No.
DIN 371									
M 2 x 0,4	2,0	2,8	45	8	2,1	1,60	1201#04030501	1201#04000501	
M 2,2 x 0,45	2,2	2,8	45	8	2,1	1,75	1201#04030681		
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,05	1201#040306Y1	1201#040006Y1	
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50	1201#040309Q1	1201#040009Q1	1201#040209Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90	1201#04030A01	1201#04000A01	
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	1201#04030BB1	1201#04000BB1	1201#04020BB1
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	1201#04030E41	1201#04000E41	1201#04020E41
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	1201#04030GY1	1201#04000GY1	1201#04020GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00		1201#04000JQ1	1201#04020JQ1
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	1201#04030MK1	1201#04000MK1	1201#04020MK1
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	1201#04030S71	1201#04000S71	1201#04020S71
DIN 376									
M 3 x 0,5	3,0	2,2	56	11	-	2,50		1201#040009Q6	1201#040209Q6
M 4 x 0,7	4,0	2,8	63	13	2,1	3,30		1201#04000BB6	1201#04020BB6
M 5 x 0,8	5,0	3,5	70	16	2,7	4,20		1201#04000E46	1201#04020E46
M 6 x 1,0	6,0	4,5	80	19	3,4	5,00		1201#04000GY6	1201#04020GY6
M 8 x 1,25	8,0	6,0	90	22	4,9	6,80		1201#04000MK6	1201#04020MK6
M 10 x 1,5	10,0	7,0	100	24	5,5	8,50		1201#04000S76	1201#04020S76
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	1201#04030XT6	1201#04000XT6	1201#04020XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00	1201#040313G6	1201#040013G6	1201#040213G6
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00	1201#04031906	1201#04001906	1201#04021906
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50	1201#04031EP6	1201#04001EP6	1201#04021EP6
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50	1201#04031K96	1201#04001K96	1201#04021K96
M 22 x 2,5	22,0	18,0	140	34	14,5	19,50	1201#04031PT6	1201#04001PT6	1201#04021PT6
M 24 x 3,0	24,0	18,0	160	38	14,5	21,00	1201#04031VI6	1201#04001VI6	1201#04021VI6
M 27 x 3,0	27,0	20,0	160	38	16,0	24,00	1201#040323U6	1201#040023U6	1201#040223U6
M 30 x 3,5	30,0	22,0	180	45	18,0	26,50	1201#04032CB6	1201#04002CB6	1201#04022CB6
M 33 x 3,5	33,0	25,0	180	50	20,0	29,50		1201#04002KN6	1201#04022KN6
M 36 x 4,0	36,0	28,0	200	56	22,0	32,00		1201#04002T46	1201#04022T46
M 39 x 4,0	39,0	32,0	200	60	24,0	35,00		1201#040031G6	1201#040231G6
M 42 x 4,5	42,0	32,0	200	60	24,0	37,50		1201#040039X6	1201#040239X6
M 45 x 4,5	45,0	36,0	220	65	29,0	40,50		1201#04003I96	1201#04023I96
M 48 x 5,0	48,0	36,0	250	70	29,0	43,00		1201#04003QQ6	1201#04023QQ6
M 52 x 5,0	52,0	40,0	250	70	32,0	47,00		1201#040041U6	1201#040241U6

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



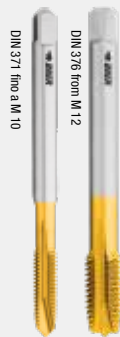
Gambo: DIN 376

Gambo: DIN 371

Maschi a Macchina per acciai altamente legati (lunga durata)



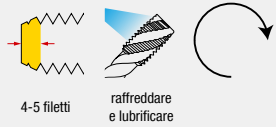
materiale: HSSE TIN



Maschi a Macchina ECO per acciai inossidabili (lunga durata)



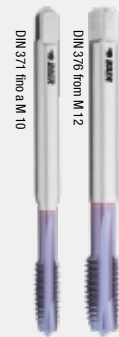
materiale: HSSE steam tempered



Maschi a Macchina per acciai inossidabili e materiali ad alta resistenza

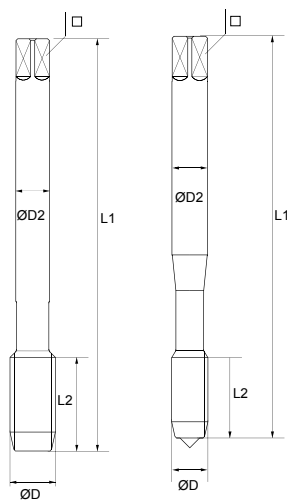


materiale: HSSE-PM TIAN



M	D1	D2	L1	L2	□	🔩	No.	No.	No.
M 2 x 0,4	2,0	2,8	45	8	2,1	1,60	1201#04040501	1201#04050501	1201#04060501
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,05	1201#040406Y1	1201#040506Y1	1201#040606Y1
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50	1201#040409Q1	1201#040509Q1	1201#040609Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90	1201#04040A01		
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	1201#04040BB1	1201#04050BB1	1201#04060BB1
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	1201#04040E41	1201#04050E41	1201#04060E41
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	1201#04040GY1	1201#04050GY1	1201#04060GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00	1201#04040JQ1		
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	1201#04040MK1	1201#04050MK1	1201#04060MK1
M 9 x 1,25	9,0	9,0	90	18	6,2	7,80	1201#04040PC1		
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	1201#04040S71	1201#04050S71	1201#04060S71
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	1201#04040XT6	1201#04050XT6	1201#04060XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00	1201#040413G6	1201#040513G6	1201#040613G6
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00	1201#04041906	1201#04051906	1201#04061906
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50	1201#04041EP6	1201#04051EP6	1201#04061EP6
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50	1201#04041K96	1201#04051K96	1201#04061K96
M 22 x 2,5	22,0	18,0	140	34	14,5	19,50	1201#04041PT6	1201#04051PT6	1201#04061PT6
M 24 x 3,0	24,0	18,0	160	38	14,5	21,00	1201#04041VI6	1201#04051VI6	1201#04061VI6
M 27 x 3,0	27,0	20,0	160	38	16,0	24,00	1201#040423U6		
M 30 x 3,5	30,0	22,0	180	45	18,0	26,50	1201#04042CB6		

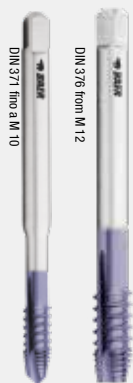
- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



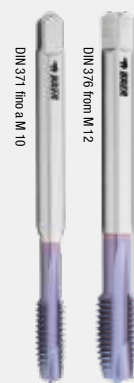
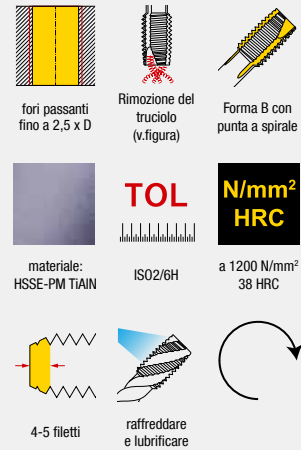
Gambo: DIN 376

Gambo: DIN 371

Maschi a Macchina per alluminio



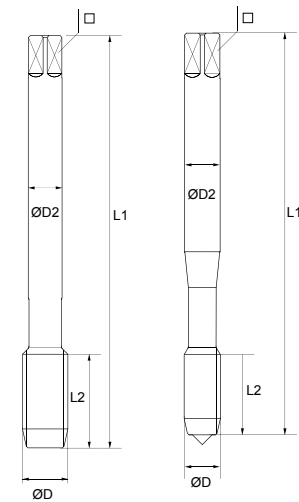
Maschi a Macchina per leghe speciali (Inconel, Hastelloy ecc.)



M	D1	D2	L1	L2	□	🔩	No.	No.
M 2 x 0,4	2,0	2,8	45	8	2,1	1,60		1201#04120501
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,05		1201#041206Y1
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50	1201#040709Q1	1201#041209Q1
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	1201#04070BB1	1201#04120BB1
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	1201#04070E41	1201#04120E41
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	1201#04070GY1	1201#04120GY1
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	1201#04070MK1	1201#04120MK1
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	1201#04070S71	1201#04120S71
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	1201#04070XT6	1201#04120XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00	1201#040713G6	1201#041213G6
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00	1201#04071906	1201#04121906
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50		1201#04121EP6
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50		1201#04121K96
M 24 x 3,0	24,0	18,0	160	38	14,5	21,00		1201#04121VI6
M 27 x 3,0	27,0	20,0	160	38	16,0	24,00		1201#041223U6
M 30 x 3,5	30,0	22,0	180	45	18,0	26,50		1201#04122CB6

M Filettatura Metrica / ISO DIN 13

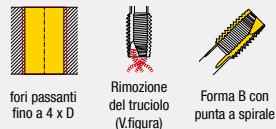
- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 376

Gambo: DIN 371

Maschi a Macchina per uso generale extralungo (gambo lungo)



TOL **N/mm² HRC**
materiale: **HSSE** **ISO2/6H** a 900 N/mm² 27,1 HRC



DIN 371 fino a M 10
DIN 376 from M 12

Maschi a Macchina per uso generale maggiorato (diametro)

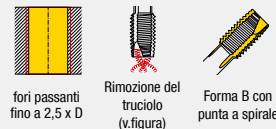


TOL **N/mm² HRC**
materiale: **HSSE** **6G 7G** a 900 N/mm² 27,1 HRC
6H +0,1 mm

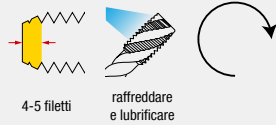


DIN 371 fino a M 10
DIN 376 from M 12

Maschi a Macchina per uso generale ridotto (diametro)



TOL **N/mm² HRC**
materiale: **HSSE** **4H** a 900 N/mm² 27,1 HRC

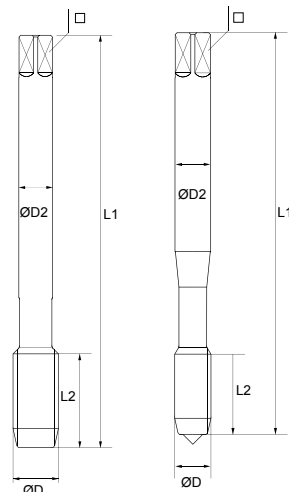


DIN 371 fino a M 10
DIN 376 from M 12

M	D1	D2	L1	L2	No.	No.	No.
					Lunghezza totale L1 = 100 mm	Tol. 6G: filettatura ampia tolleranza	Tol. 4H: filettatura stretta tolleranza
M 2 x 0,4	2,0	2,8	45	8	2,1 1,60	1201#041706Y1	1201#04200501
M 2,5 x 0,45	2,5	2,8	50	9	2,1 2,05	1201#041709Q1	1201#042006Y1
M 3 x 0,5	3,0	3,5	56	11	2,7 2,50	1201#041409Q0	1201#042009Q1
M 4 x 0,7	4,0	4,5	63	13	3,4 3,30	1201#04140BB0	1201#04200BB1
M 5 x 0,8	5,0	6,0	70	16	4,9 4,20	1201#04140E40	1201#04200E41
M 6 x 1,0	6,0	6,0	80	19	4,9 5,00	1201#04140GY0	1201#04200GY1
M 8 x 1,25	8,0	8,0	90	22	6,2 6,80	1201#04140MK0	1201#04200MK1
M 10 x 1,5	10,0	10,0	100	24	8,0 8,50	1201#04140S70	1201#04200S71
M 12 x 1,75	12,0	9,0	110	29	7,0 10,20	1201#04140XT0	1201#04200XT6
M 14 x 2,0	14,0	11,0	110	30	9,0 12,00	1201#041713G6	1201#042013G6
M 16 x 2,0	16,0	12,0	110	32	9,0 14,00	1201#04171906	1201#04201906
M 18 x 2,5	18,0	14,0	125	34	11,0 15,50	1201#04171EP6	
M 20 x 2,5	20,0	16,0	140	34	12,0 17,50	1201#04171K96	
					Lunghezza totale L1 = 120 mm	Tol. 7G: per filettatura deformata (trattamenti termici)	
M 3 x 0,5	3,0	3,5	56	11	2,7 2,50	1201#041809Q1	
M 4 x 0,7	4,0	4,5	63	13	3,4 3,30	1201#04180BB1	
M 5 x 0,8	5,0	6,0	70	16	4,9 4,20	1201#04180E41	
M 6 x 1,0	6,0	6,0	80	19	4,9 5,00	1201#04180GY1	
M 8 x 1,25	8,0	8,0	90	22	6,2 6,80	1201#04180MK1	
M 10 x 1,5	10,0	10,0	100	24	8,0 8,50	1201#04180S71	
M 12 x 1,75	12,0	9,0	110	29	7,0 10,20	1201#04180XT6	
					Lunghezza totale L1 = 150 mm	Tol. 6H +0,1 mm: per trattamento galvanico	
M 3 x 0,5	3,0	3,5	56	11	2,7 2,50	1201#041909Q1	
M 4 x 0,7	4,0	4,5	63	13	3,4 3,30	1201#04190BB1	
M 5 x 0,8	5,0	6,0	70	16	4,9 4,20	1201#04190E41	
M 6 x 1,0	6,0	6,0	80	19	4,9 5,00	1201#04190GY1	
M 8 x 1,25	8,0	8,0	90	22	6,2 6,80	1201#04190MK1	
M 10 x 1,5	10,0	10,0	100	24	8,0 8,50	1201#04190S71	
M 12 x 1,75	12,0	9,0	110	29	7,0 10,20	1201#04190XT6	

M Filettatura Metrica / ISO DIN 13

- ✓ Maschi a macchina per fori passanti e ciechi
- ✓ Lo smusso corto di entrata rende questo maschio di applicazione universale. Le scanalature possono contenere la maggior parte dei trucioli



Gambo: DIN 376 Gambo: DIN 371

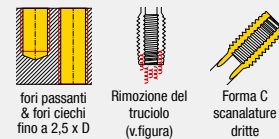
Maschi a Macchina per uso generale



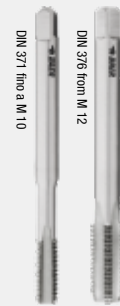
TOL **N/mm² HRC**
materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC



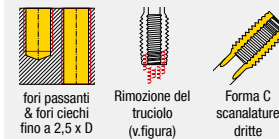
Maschi a Macchina per uso generale Passo sinistro



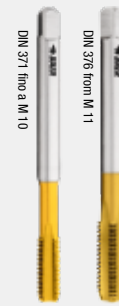
TOL **N/mm² HRC**
materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC



Maschi a Macchina a lunga durata



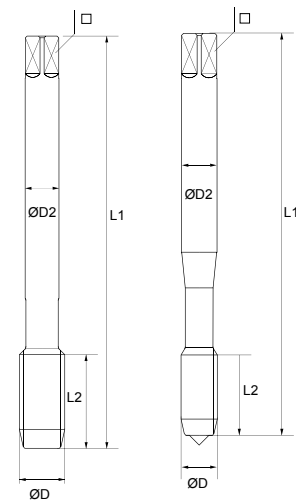
TOL **N/mm² HRC**
materiale: HSSE TIN ISO2/6H a 900 N/mm² 27,1 HRC



M	D1	D2	L1	L2	□	🔩	No.	No.	No.
DIN 371									
M 2 x 0,4	2,0	2,8	45	8	2,1	1,60	1201#05000501		1201#05040501
M 2,2 x 0,45	2,2	2,8	45	8	2,1	1,75			1201#05040681
M 2,3 x 0,4	2,3	2,8	45	9	2,1	1,90	1201#05000611		1201#05040611
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,05	1201#050006Y1		1201#050406Y1
M 2,6 x 0,45	2,6	2,8	50	9	2,1	2,10	1201#050007C1		1201#050407C1
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50	1201#050009Q1	1201#050209Q1	1201#050409Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90	1201#05000A01		1201#05040A01
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	1201#05000BB1	1201#05020BB1	1201#05040BB1
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	1201#05000E41	1201#05020E41	1201#05040E41
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	1201#05000GY1	1201#05020GY1	1201#05040GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00	1201#05000JQ1		1201#05040JQ1
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	1201#05000MK1	1201#05020MK1	1201#05040MK1
M 9 x 1,25	9,0	9,0	90	18	6,2	7,80			1201#05040PC1
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	1201#05000S71	1201#05020S71	1201#05040S71
DIN 376									
M 3 x 0,5	3,0	2,2	56	11	-	2,50	1201#050009Q6		
M 4 x 0,7	4,0	2,8	63	13	2,1	3,30	1201#05000BB6		
M 5 x 0,8	5,0	3,5	70	16	2,7	4,20	1201#05000E46		
M 6 x 1,0	6,0	4,5	80	19	3,4	5,00	1201#05000GY6		
M 8 x 1,25	8,0	6,0	90	22	4,9	6,80	1201#05000MK6		
M 10 x 1,5	10,0	7,0	100	24	5,5	8,50	1201#05000S76		
M 11 x 1,5	11,0	8,0	100	22	6,2	9,50			1201#05040UZ6
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	1201#05000XT6	1201#05020XT6	1201#05040XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00	1201#050013G6	1201#050213G6	1201#050413G6
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00	1201#05001906	1201#05021906	1201#05041906
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50	1201#05001EP6	1201#05021EP6	1201#05041EP6
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50	1201#05001K96	1201#05021K96	1201#05041K96
M 22 x 2,5	22,0	18,0	140	34	14,5	19,50	1201#05001PT6	1201#05021PT6	1201#05041PT6
M 24 x 3,0	24,0	18,0	160	38	14,5	21,00	1201#05001VI6	1201#05021VI6	1201#05041VI6
M 27 x 3,0	27,0	20,0	160	38	16,0	24,00	1201#050023U6		1201#050423U6
M 30 x 3,5	30,0	22,0	180	45	18,0	26,50	1201#05002CB6		1201#05042CB6
M 33 x 3,5	33,0	25,0	180	50	20,0	29,50	1201#05002KN6		1201#05042KN6
M 36 x 4,0	36,0	28,0	200	56	22,0	32,00	1201#05002T46		1201#05042T46
M 39 x 4,0	39,0	32,0	200	60	24,0	35,00	1201#050031G6		
M 42 x 4,5	42,0	32,0	200	60	24,0	37,50	1201#050039X6		
M 45 x 4,5	45,0	36,0	220	65	29,0	40,50	1201#050039I6		
M 48 x 5,0	48,0	36,0	250	70	29,0	43,00	1201#05003QQ6		
M 52 x 5,0	52,0	40,0	250	70	32,0	47,00	1201#050041U6		

M Filettatura Metrica / ISO DIN 13

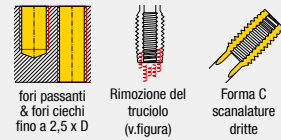
- ✓ Maschi a macchina per fori passanti e ciechi
- ✓ Lo smusso corto di entrata rende questo maschio di applicazione universale. Le scanalature possono contenere la maggior parte dei trucioli



Gambo: DIN 376

Gambo: DIN 371

Maschi a Macchina per materiali da fusione



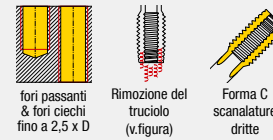
fori passanti & fori ciechi fino a 2,5 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
materiale: HSSE TiCN
ISO2/6H

N/mm² HRC
fino a 1000 N/mm² 32 HRC



Maschi a Macchina per titanio e leghe al titanio



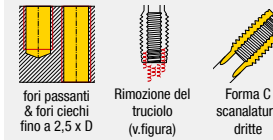
fori passanti & fori ciechi fino a 2,5 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
materiale: HSSE
ISO2/6H

N/mm² HRC
fino a 1000 N/mm² 32 HRC



Maschi a Macchina per ottone (truciolo-corto)



fori passanti & fori ciechi fino a 2,5 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
materiale: HSSE TiN
ISO2/6H

N/mm² HRC
fino a 600 N/mm²

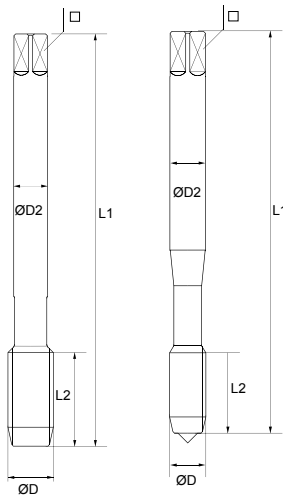


M	D1	D2	L1	L2			No.	No.	No.
M 2 x 0,4	2,0	2,8	45	8	2,1	1,60		1201#05110501	
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,05		1201#051106Y1	
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50	1201#051009Q1	1201#051109Q1	1201#050909Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90	1201#05100A01		
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	1201#05100BB1	1201#05110BB1	1201#05090BB1
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	1201#05100E41	1201#05110E41	1201#05090E41
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	1201#05100GY1	1201#05110GY1	1201#05090GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00	1201#05100JQ1		
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	1201#05100MK1	1201#05110MK1	1201#05090MK1
M 9 x 1,25	9,0	9,0	90	18	6,2	7,80	1201#05100PC1		
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	1201#05100S71	1201#05110S71	1201#05090S71
M 11 x 1,5	11,0	8,0	100	22	6,2	9,50	1201#05100UZ6		
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	1201#05100XT6	1201#05110XT6	1201#05090XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00	1201#051013G6	1201#051113G6	1201#050913G6
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00	1201#05101906	1201#05111906	1201#05091906
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50	1201#05101EP6	1201#05111EP6	
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50	1201#05101K96	1201#05111K96	
M 22 x 2,5	22,0	18,0	140	34	14,5	19,50	1201#05101PT6		
M 24 x 3,0	24,0	18,0	160	38	14,5	21,00	1201#05101VI6		
M 27 x 3,0	27,0	20,0	160	38	16,0	24,00	1201#051023U6		
M 30 x 3,5	30,0	22,0	180	45	18,0	26,50	1201#05102CB6		
M 33 x 3,5	33,0	25,0	180	50	20,0	29,50	1201#05102KN6		

Maschi a Macchina - Forma C (scanalature a spirale) per fori ciechi

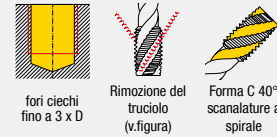
M Filettatura Metrica / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ La scanalatura a spirale facilita l'estrazione del truciolo dai fori ciechi



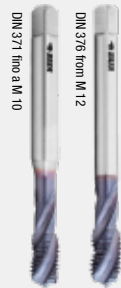
Gambo: DIN 376 Gambo: DIN 371

Maschi a Macchina per uso universale

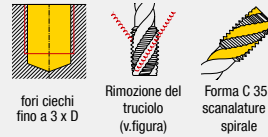


fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 40° scanalature a spirale

TOL **N/mm² HRC**
materiale: HSSE-TiAIN ISO2/6H a 1200 N/mm² 38 HRC



Maschi a Macchina per uso generale

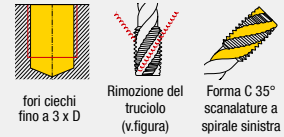


fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale

TOL **N/mm² HRC**
materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC

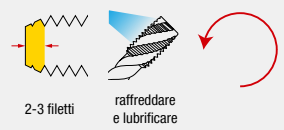


Maschi a Macchina per uso generale Passo sinistro



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale sinistra

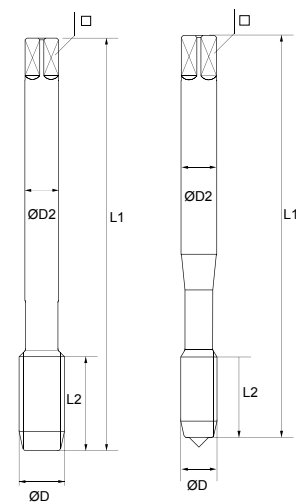
TOL **N/mm² HRC**
materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC



M	D1	D2	L1	L2	□	🔩	No.	No.	No.
DIN 371									
M 2 x 0,4	2,0	2,8	45	6	2,1	1,60	1201#06030501	1201#06000501	
M 2,2 x 0,45	2,2	2,8	45	6	2,1	1,75	1201#06030681		
M 2,5 x 0,45	2,5	2,8	50	6	2,1	2,05	1201#060306Y1	1201#060006Y1	
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	1201#060309Q1	1201#060009Q1	1201#060209Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90	1201#06030A01	1201#06000A01	
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	1201#06030BB1	1201#06000BB1	1201#06020BB1
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	1201#06030E41	1201#06000E41	1201#06020E41
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	1201#06030GY1	1201#06000GY1	1201#06020GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00		1201#06000JQ1	
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	1201#06030MK1	1201#06000MK1	1201#06020MK1
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	1201#06030S71	1201#06000S71	1201#06020S71
DIN 376									
M 3 x 0,5	3,0	2,2	56	6	-	2,50		1201#060009Q6	1201#060209Q6
M 4 x 0,7	4,0	2,8	63	7	2,1	3,30		1201#06000BB6	1201#06020BB6
M 5 x 0,8	5,0	3,5	70	8	2,7	4,20		1201#06000E46	1201#06020E46
M 6 x 1,0	6,0	4,5	80	10	3,4	5,00		1201#06000GY6	1201#06020GY6
M 8 x 1,25	8,0	6,0	90	14	4,9	6,80		1201#06000MK6	1201#06020MK6
M 10 x 1,5	10,0	7,0	100	16	5,5	8,50		1201#06000S76	1201#06020S76
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	1201#06030XT6	1201#06000XT6	1201#06020XT6
M 14 x 2,0	14,0	11,0	110	20	9,0	12,00	1201#060313G6	1201#060013G6	1201#060213G6
M 16 x 2,0	16,0	12,0	110	22	9,0	14,00	1201#06031906	1201#06001906	1201#06021906
M 18 x 2,5	18,0	14,0	125	25	11,0	15,50	1201#06031EP6	1201#06001EP6	1201#06021EP6
M 20 x 2,5	20,0	16,0	140	25	12,0	17,50	1201#06031K96	1201#06001K96	1201#06021K96
M 22 x 2,5	22,0	18,0	140	27	14,5	19,50	1201#06031PT6	1201#06001PT6	1201#06021PT6
M 24 x 3,0	24,0	18,0	160	30	14,5	21,00	1201#06031VI6	1201#06001VI6	1201#06021VI6
M 27 x 3,0	27,0	20,0	160	30	16,0	24,00	1201#060323U6	1201#060023U6	1201#060223U6
M 30 x 3,5	30,0	22,0	180	35	18,0	26,50	1201#06032CB6	1201#06002CB6	1201#06022CB6
M 33 x 3,5	33,0	25,0	180	35	20,0	29,50		1201#06002KN6	1201#06022KN6
M 36 x 4,0	36,0	28,0	200	40	22,0	32,00		1201#06002T46	1201#06022T46
M 39 x 4,0	39,0	32,0	200	40	24,0	35,00		1201#060031G6	1201#060231G6
M 42 x 4,5	42,0	32,0	200	45	24,0	37,50		1201#060039X6	1201#060239X6
M 45 x 4,5	45,0	36,0	220	45	29,0	40,50		1201#06003I96	1201#06023I96
M 48 x 5,0	48,0	36,0	250	50	29,0	43,00		1201#06003QQ6	1201#06023QQ6
M 52 x 5,0	52,0	40,0	250	50	32,0	47,00		1201#060041U6	1201#060241U6

M Filettatura Metrica / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Gambo: DIN 376

Gambo: DIN 371

Maschi a Macchina per acciai altamente legati (lunga durata)



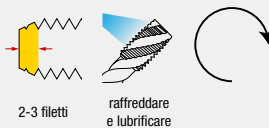
fori ciechi fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale



materiale: HSSE TIN



Maschi a Macchina ECO per acciai inossidabili (lunga durata)



fori ciechi fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale



materiale: HSSE temp. a vapore



Maschi a Macchina per acciai inossidabili altamente legati e mat. ad alta resistenza



fori ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C 15° scanalature a spirale



materiale: HSSE-PM TiAlN

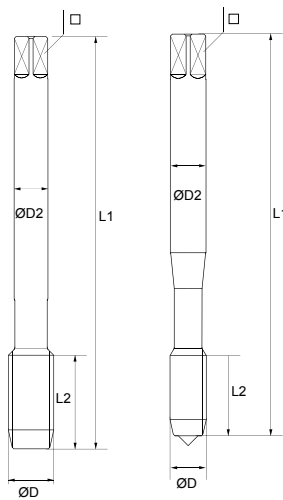


M	D1	D2	L1	L2	□	🔩	No.	No.	No.
M 2 x 0,4	2,0	2,8	45	6	2,1	1,60	1201#06040501		1201#06060501
M 2,5 x 0,45	2,5	2,8	50	6	2,1	2,05	1201#060406Y1		1201#060606Y1
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	1201#060409Q1	1201#060509Q1	1201#060609Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90	1201#06040A01		
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	1201#06040BB1	1201#06050BB1	1201#06060BB1
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	1201#06040E41	1201#06050E41	1201#06060E41
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	1201#06040GY1	1201#06050GY1	1201#06060GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00	1201#06040JQ1		
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	1201#06040MK1	1201#06050MK1	1201#06060MK1
M 9 x 1,25	9,0	9,0	90	15	7,0	7,80	1201#06040PC1		
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	1201#06040S71	1201#06050S71	1201#06060S71
M 11 x 1,5	11,0	8,0	100	18	6,2	9,50	1201#06040UZ6		
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	1201#06040XT6	1201#06050XT6	1201#06060XT6
M 14 x 2,0	14,0	11,0	110	20	9,0	12,00	1201#060413G6	1201#060513G6	1201#060613G6
M 16 x 2,0	16,0	12,0	110	22	9,0	14,00	1201#06041906	1201#06051906	1201#06061906
M 18 x 2,5	18,0	14,0	125	25	11,0	15,50	1201#06041EP6	1201#06051EP6	1201#06061EP6
M 20 x 2,5	20,0	16,0	140	25	12,0	17,50	1201#06041K96	1201#06051K96	1201#06061K96
M 22 x 2,5	22,0	18,0	140	27	14,5	19,50	1201#06041PT6	1201#06051PT6	1201#06061PT6
M 24 x 3,0	24,0	18,0	160	30	14,5	21,00	1201#06041VI6	1201#06051VI6	1201#06061VI6
M 27 x 3,0	27,0	20,0	160	30	16,0	24,00	1201#060423U6		
M 30 x 3,5	30,0	22,0	180	35	18,0	26,50	1201#06042CB6		

Maschi a Macchina - Forma C (scanalature a spirale) per fori ciechi

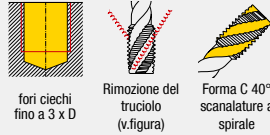
M Filettatura Metrica / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Gambo: DIN 376 Gambo: DIN 371

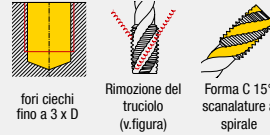
Maschi a Macchina per alluminio (truciolo lungo)



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 40° scanalature a spirale
materiale: HSSE
TOL ISO2/6H
N/mm² HRC Fino a 350 N/mm²



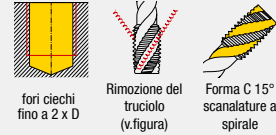
Maschi a Macchina per materiali a truciolo lungo



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 15° scanalature a spirale
materiale: HSSE
TOL ISO2/6H
N/mm² HRC fino a 900 N/mm² 27,1 HRC



Maschi a Macchina per leghe speciali (Inconel, Hastelloy ecc.)



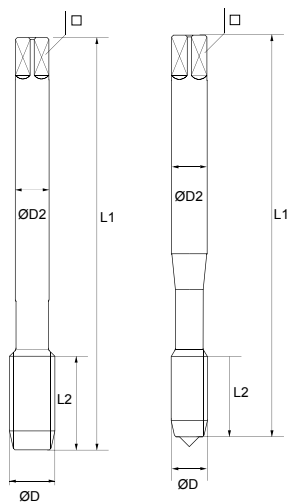
fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C 15° scanalature a spirale
materiale: HSSE-PM TiAlN
TOL ISO2/6H
N/mm² HRC fino a 1000 N/mm² 32 HRC



M	D1	D2	L1	L2	□	🔩	No.	No.	No.
DIN 371									
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	1201#060709Q1	1201#060809Q1	1201#061209Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	2,90		1201#06080A01	
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	1201#06070BB1	1201#06080BB1	1201#06120BB1
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	1201#06070E41	1201#06080E41	1201#06120E41
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	1201#06070GY1	1201#06080GY1	1201#06120GY1
M 7 x 1,0	7,0	7,0	80	19	5,5	6,00		1201#06080JQ1	
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	1201#06070MK1	1201#06080MK1	1201#06120MK1
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	1201#06070S71	1201#06080S71	1201#06120S71
DIN 376									
M 3 x 0,5	3,0	2,2	56	11	-	2,50		1201#060809Q6	
M 4 x 0,7	4,0	2,8	63	13	2,1	3,30		1201#06080BB6	
M 5 x 0,8	5,0	3,5	70	16	2,7	4,20		1201#06080E46	
M 6 x 1,0	6,0	4,5	80	19	3,4	5,00		1201#06080GY6	
M 8 x 1,25	8,0	6,0	90	22	4,9	6,80		1201#06080MK6	
M 10 x 1,5	10,0	7,0	100	24	5,5	8,50		1201#06080S76	
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	1201#06070XT6	1201#06080XT6	1201#06120XT1
M 14 x 2,0	14,0	11,0	110	20	9,0	12,00	1201#060713G6	1201#060813G6	1201#061213G1
M 16 x 2,0	16,0	12,0	110	22	9,0	14,00	1201#06071906	1201#06081906	1201#06121901
M 18 x 2,5	18,0	14,0	125	25	11,0	15,50		1201#06081EP6	1201#06121EP1
M 20 x 2,5	20,0	16,0	140	25	12,0	17,50		1201#06081K96	1201#06121K91
M 22 x 2,5	22,0	18,0	140	27	14,5	19,50		1201#06081PT6	
M 24 x 3,0	24,0	18,0	160	30	14,5	21,00		1201#06081VI6	

M Filettatura Metrica / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Gambo: DIN 376

Gambo: DIN 371

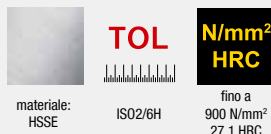
Maschi a Macchina per uso generale extralungo (gambo lungo)



fori ciechi fino a 3 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale



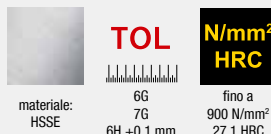
Maschi a Macchina per uso generale maggiorato (diametro)



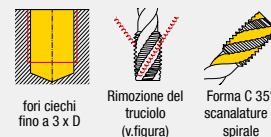
fori ciechi fino a 3 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale



Maschi a Macchina per uso generale ridotto (diametro)



fori ciechi fino a 3 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale



M	D1	D2	L1	L2		No.	No.	No.
Lunghezza totale L1 = 100 mm								
M 2 x 0,4	2,0	2,8	45	6	2,1	1,60	Tol. 6G: filettatura ampia tolleranza	Tol. 4H: filettatura stretta tolleranza
M 2,5 x 0,45	2,5	2,8	50	6	2,1	2,05		1201#06200501
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	1201#061409Q0	1201#062006Y1
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	1201#06140BB0	1201#062009Q1
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	1201#06140E40	1201#06200BB1
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	1201#06140GY0	1201#06200E41
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	1201#06140MK0	1201#06200GY1
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	1201#06140S70	1201#06200MK1
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	1201#06140XT0	1201#06200S71
M 14 x 2,0	14,0	11,0	110	20	9,0	12,00		1201#06200T6
M 16 x 2,0	16,0	12,0	110	22	9,0	14,00		1201#061713G6
M 18 x 2,5	18,0	14,0	125	25	11,0	15,50		1201#061719Q6
M 20 x 2,5	20,0	16,0	140	25	12,0	17,50		1201#06171EP6
								1201#06171K96
Lunghezza totale L1 = 120 mm								
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	Tol. 7G: per filettatura deformata (trattamenti termici)	
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	1201#061809Q1	1201#06180BB1
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	1201#06150B00	1201#06180E41
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	1201#06150E40	1201#06180G41
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	1201#06150GY0	1201#06180G41
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	1201#06150MK0	1201#06180MK1
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	1201#06150S70	1201#06180S71
							1201#06150XT0	1201#06180T6
Lunghezza totale L1 = 150 mm								
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	Tol. 6H +0,1 mm: per trattamento galvanico	
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	1201#061909Q1	1201#06190BB1
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	1201#06160B00	1201#06190E41
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	1201#06160E40	1201#06190G41
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	1201#06160GY0	1201#06190G41
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	1201#06160MK0	1201#06190MK1
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	1201#06160S70	1201#06190S71
							1201#06160XT0	1201#06190T6

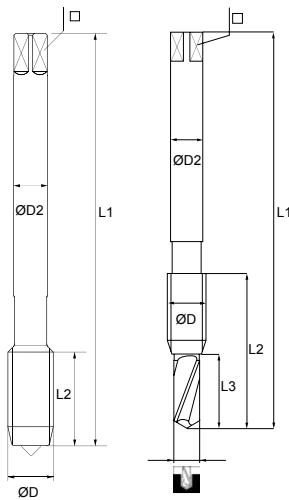
M Filettatura Metrica / ISO DIN 13

Maschi a macchina per dadi

- ✓ Maschi a macchina per dadi fino a 1,0D
Le scanalature trattengono la maggior parte del truciolo

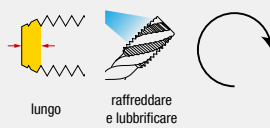
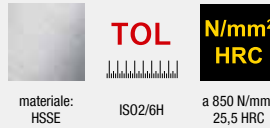
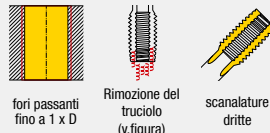
Maschi a Macchina Combinati

- ✓ Maschi a Macchina, permettono la foratura e filettatura in un unico processo fluido senza cambiare utensile

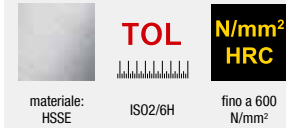
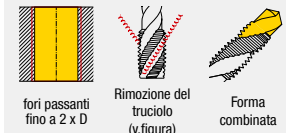


Gambo: DIN 357

Maschi a macchina per dadi per uso generale



Maschi a Macchina combinati per uso generale

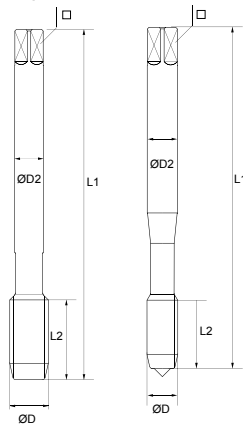


M	D1	D2	L1	L2	□	□	No.	D2	L1	L2	L3	□	No.
M 3 x 0,5	3,0	2,2	70	22	-	2,5	1201#090009Q0	3,0	56	22	11	2,4	1201#100009Q0
M 4 x 0,7	4,0	2,8	90	25	2,1	3,3	1201#09000BB0	4,0	63	28	14	3,0	1201#10000BB0
M 5 x 0,8	5,0	3,5	100	28	2,7	4,2	1201#09000E40	5,0	71	36	18	3,8	1201#10000E40
M 6 x 1,0	6,0	4,5	110	32	3,4	5	1201#09000GY0	6,0	80	44	22	4,9	1201#10000GY0
M 8 x 1,25	8,0	6,0	125	40	4,9	6,8	1201#09000MK0	8,0	95	50	25	6,2	1201#10000MK0
M 10 x 1,5	10,0	7,0	140	45	5,5	8,5	1201#09000S70	10,0	106	62	31	8,0	1201#10000S70
M 12 x 1,75	12,0	9,0	180	50	7,0	10,2	1201#09000XT0	12,0	115	70	35	9,0	1201#10000XT0
M 14 x 2,0	14,0	11,0	200	56	9,0	12	1201#090013G0						
M 16 x 2,0	16,0	12,0	200	63	9,0	14	1201#09001900						
M 18 x 2,5	18,0	14,0	220	63	11,0	15,5	1201#09001EP0						
M 20 x 2,5	20,0	16,0	250	70	12,0	17,5	1201#09001K90						
M 22 x 2,5	22,0	18,0	280	80	14,5	19,5	1201#09001PT0						
M 24 x 3,0	24,0	18,0	280	80	14,5	21	1201#09001VI0						

M Filettatura Metrica / ISO DIN 13

Maschi a macchina a rullare hanno i seguenti vantaggi:

- Nessun truciolo
- Durata fino a 20 volte più lunga (comparata ad altri maschi)
- Stessa forma per fori ciechi e passanti
- Utilizzo su ampia gamma di materiali
- Impossibile intersezione della filettatura
- Elevata fedeltà
- Resistenza della filettatura incrementata
- Miglior qualità della superficie
- Velocità di lavorazione molto più alta



Gambo: DIN 376

Gambo: DIN 371

Maschi a macchina a rullare per uso universale



fori passanti & fori ciechi fino a 2,5 x D

Filettatura senza truciolo

con gole per olio

TOL ISO2/6HX

N/mm² HRC fino a 850 N/mm² 25,5 HRC

materiale: HSSE-TiN



Maschi a macchina a rullare per alta resistenza



fori passanti & fori ciechi fino a 3 x D

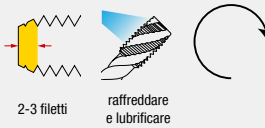
Filettatura senza truciolo

con gole per olio

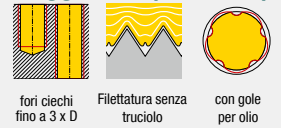
TOL ISO2/6HX

N/mm² HRC fino a 1200 N/mm² 37,1 HRC

materiale: HSSE-PM TiN



Maschi a macchina a rullare per uso universale maggiorato (diametro)



fori ciechi fino a 3 x D

Filettatura senza truciolo

con gole per olio

TOL ISO3/6GX

N/mm² HRC fino a 850 N/mm² 25,5 HRC

materiale: HSSE-TiN



M	D1	D2	L1	L2	□	🔩	No.		
							Tol. 6HX: tolleranza standard	Tol. 6HX: tolleranza standard	Tol. 6GX: filettatura ampia tolleranza
M 2 x 0,4	2,0	2,8	45	8	2,1	1,85	1201#11000501	1201#11040501	1201#11170501
M 2,2 x 0,45	2,2	2,8	45	8	2,1	2,03	1201#11000681		
M 2,3 x 0,4	2,3	2,8	45	8	2,1	2,15	1201#11000611		
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,33	1201#110006Y1	1201#110406Y1	1201#111706Y1
M 2,6 x 0,45	2,6	2,8	50	9	2,1	2,43	1201#110007C1		
M 3 x 0,5	3,0	3,5	56	11	2,7	2,80	1201#110009Q1	1201#110409Q1	1201#111709Q1
M 3,5 x 0,6	3,5	4,0	56	13	3,0	3,25	1201#11000A01	1201#11040A01	1201#11170A01
M 4 x 0,7	4,0	4,5	63	13	3,4	3,70	1201#11000BB1	1201#11040BB1	1201#11170BB1
M 4,5 x 0,75	4,5	6,0	70	14	4,9	4,20	1201#11000CP1		
M 5 x 0,8	5,0	6,0	70	16	4,9	4,65	1201#11000E41	1201#11040E41	1201#11170E41
M 6 x 1,0	6,0	6,0	80	19	4,9	5,10	1201#11000GY1	1201#11040GY1	1201#11170GY1
M 8 x 1,25	8,0	8,0	90	22	6,2	7,45	1201#11000MK1	1201#11040MK1	1201#11170MK1
M 10 x 1,5	10,0	10,0	100	24	8,0	9,35	1201#11000S71	1201#11040S71	1201#11170S71
M 12 x 1,75	12,0	9,0	110	29	7,0	11,25	1201#11000XT6	1201#11040XT6	1201#11170XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	13,10	1201#110013G6	1201#110413G6	1201#111713G6
M 16 x 2,0	16,0	12,0	110	32	9,0	15,10	1201#11001906	1201#11041906	1201#11171906
M 18 x 2,5	18,0	14,0	125	34	11,0	16,85	1201#11001EP6	1201#11041EP6	
M 20 x 2,5	20,0	16,0	140	34	12,0	18,85	1201#11001K96	1201#11041K96	

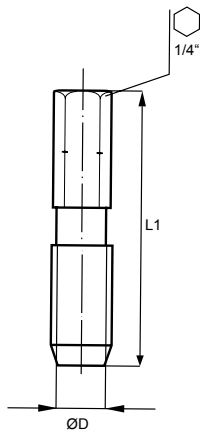
M

Filettatura Metrica / ISO DIN 13

Tagliante interno
efficiente per
azionamento con
avvitatore
(min. 7,5 Volt)

Applicazione:

- materiali non abrasivi
fino a 900 N/mm²
acciaio non legato e
bassamente legato



**Maschi a inserto bit
Forma D per fori
passanti e fori ciechi**

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo

Forma D scanalature dritte

materiale: HSSG

ISO2/6H

N/mm² HRC
a 800 N/mm²
22,2 HRC

4-5 filetti

raffreddare e lubrificare



M	D1	L1	L2	Hex	Length	No.
M 3 x 0,5	3,0	33	11	1/4"	2,50	1201#120009Q0
M 3,5 x 0,6	3,5	34	10	1/4"	2,90	1201#12000A00
M 4 x 0,7	4,0	35	12	1/4"	3,30	1201#12000BB0
M 4,5 x 0,75	4,5	35	12	1/4"	3,70	1201#12000CP0
M 5 x 0,8	5,0	36	15	1/4"	4,20	1201#12000E40
M 5,5 x 0,9	5,5	35	15	1/4"	4,60	1201#12000FJ0
M 6 x 1,0	6,0	39	18	1/4"	5,00	1201#12000GY0
M 7 x 1,0	7,0	38	16	1/4"	6,00	1201#12000JQ0
M 8 x 1,25	8,0	40	19	1/4"	6,80	1201#12000MK0
M 9 x 1,25	9,0	41	18	1/4"	7,80	1201#12000PC0
M 10 x 1,5	10,0	41	21	1/4"	8,50	1201#12000S70

M

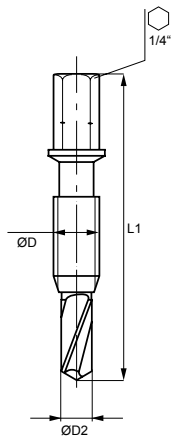
Filettatura Metrica / ISO DIN 13

Tagliante interno efficiente per azionamento con avvitatore a batteria (min. 7,5 Volt)

Foratura e filettatura in un unico processo fluido

Applicazione:

- materiali non abrasivi fino a 600 N/mm²
- acciaio non legato e bassamente legato



Maschio bit combinato per fori passanti



fori passanti fino a 1 x D



Rimozione del truciolo



Forma combinata



materiale: HSSG



ISO2/6H



a 600 N/mm²



4-5 filetti

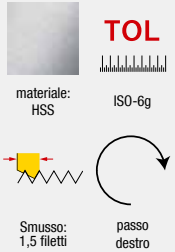
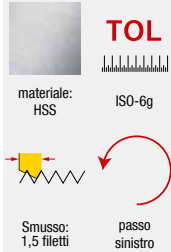
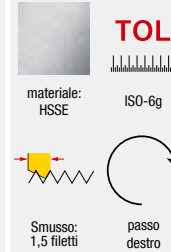
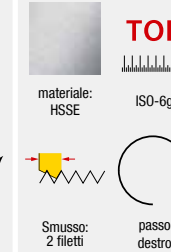
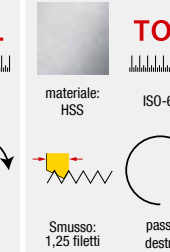







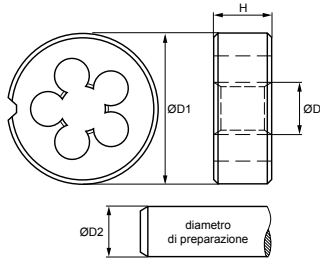
raffreddare e lubrificare



M	D1	D2	L1		No.
M 3 x 0,5	3	2,5	36	1/4"	1201#130009Q0
M 4 x 0,7	4	3,3	39	1/4"	1201#13000BB0
M 5 x 0,8	5	4,2	41	1/4"	1201#13000E40
M 6 x 1,0	6	5,0	44	1/4"	1201#13000GY0
M 8 x 1,25	8	6,8	50	1/4"	1201#13000MK0
M 10 x 1,5	10	8,5	59	1/4"	1201#13000S70

M Filettatura Metrica / ISO DIN 13

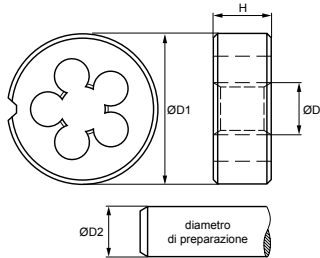
Filiera tonda per uso generale	Filiera tonda per uso generale Passo Sinistro	Filiera tonda per alta resistenza	Filiera tonda per acciai inossidabili	Filiera tonda per ottone
				
materiale: HSS TOL ISO-6g Smusso: 1,5 filetti passo destro	materiale: HSS TOL ISO-6g Smusso: 1,5 filetti passo sinistro	materiale: HSSE TOL ISO-6g Smusso: 1,5 filetti passo destro con ingresso a spirale	materiale: HSSE TOL ISO-6g Smusso: 2 filetti passo destro con ingresso a spirale	materiale: HSS TOL ISO-6g Smusso: 1,25 filetti passo destro con ingresso a spirale
				



M	D	D1	H	D2	No.	No.	No.	No.	No.
M 1 x 0,25	1,0	16	5	0,96	1301#010002U0				
M 1,1 x 0,25	1,1	16	5	1,05	1301#01000340				
M 1,2 x 0,25	1,2	16	5	1,15	1301#010003E0				
M 1,4 x 0,3	1,4	16	5	1,36	1301#010003Y0			1301#010503Z0	
M 1,6 x 0,35	1,6	16	5	1,55	1301#010004J0			1301#010504J0	
M 1,7 x 0,35	1,7	16	5	1,64	1301#010004T0			1301#010504T0	
M 1,8 x 0,35	1,8	16	5	1,75	1301#01000530				
M 2 x 0,4	2,0	16	5	1,95	1301#010005U0	1301#010205U0		1301#010505U0	1301#010905U0
M 2,2 x 0,45	2,2	16	5	2,15	1301#01000680				
M 2,3 x 0,4	2,3	16	5	2,23	1301#010006I0			1301#010506I0	
M 2,5 x 0,45	2,5	16	5	2,42	1301#010006Y0			1301#010506Y0	1301#010906Y0
M 2,6 x 0,45	2,6	16	5	2,53	1301#010007C0			1301#010507C0	1301#010907C0
M 3 x 0,5	3,0	20	5	2,92	1301#010009Q0	1301#010209Q0	1301#010409Q0	1301#010509Q0	1301#010909Q0
M 3,5 x 0,6	3,5	20	5	3,41	1301#01000A00			1301#01050A00	1301#01090A00
M 4 x 0,7	4,0	20	5	3,90	1301#01000BB0	1301#01020BB0	1301#01040BB0	1301#01050BB0	1301#01090BB0
M 4,5 x 0,75	4,5	20	7	4,40	1301#01000CP0				
M 5 x 0,8	5,0	20	7	4,90	1301#01000E40	1301#01020E40	1301#01040E40	1301#01050E40	1301#01090E40
M 5 x 0,9	5,0	20	7	4,89	1301#01000E50				
M 5,5 x 0,9	5,5	20	7	5,44	1301#01000FJ0				
M 6 x 1,0	6,0	20	7	5,88	1301#01000GY0	1301#01020GY0	1301#01040GY0	1301#01050GY0	1301#01090GY0
M 7 x 1,0	7,0	25	9	6,88	1301#01000JQ0			1301#01050JQ0	1301#01090JQ0
M 8 x 1,25	8,0	25	9	7,86	1301#01000MK0	1301#01020MK0	1301#01040MK0	1301#01050MK0	1301#01090MK0
M 9 x 1,25	9,0	25	9	8,86	1301#01000PC0				
M 10 x 1,5	10,0	30	11	9,85	1301#01000S70	1301#01020S70	1301#01040S70	1301#01050S70	1301#01090S70
M 11 x 1,5	11,0	30	11	10,85	1301#01000UZ0				
M 12 x 1,75	12,0	38	14	11,83	1301#01000XT0	1301#01020XT0	1301#01040XT0	1301#01050XT0	1301#01090XT0
M 14 x 2,0	14,0	38	14	13,82	1301#010013G0	1301#010213G0	1301#010413G0	1301#010513G0	1301#010913G0
M 15 x 2,0	15,0	38	14	14,91	1301#01001680				
M 16 x 2,0	16,0	45	18	15,82	1301#01001900	1301#01021900	1301#01041900	1301#01051900	
M 18 x 2,5	18,0	45	18	17,79	1301#01001EP0	1301#01021EP0	1301#01041EP0	1301#01051EP0	
M 19 x 2,5	19,0	45	18	18,89	1301#01001HH0				
M 20 x 2,5	20,0	45	18	19,79	1301#01001K90	1301#01021K90	1301#01041K90	1301#01051K90	
M 22 x 2,5	22,0	55	22	21,79	1301#01001PT0	1301#01021PT0	1301#01041PT0	1301#01051PT0	

M Filettatura Metrica / ISO DIN 13


Filiera tonda per uso generale	Filiera tonda per uso generale Passo Sinistro	Filiera tonda per alta resistenza	Filiera tonda per acciai inossidabili	Filiera tonda per ottone
materiale: HSS	materiale: HSS	materiale: HSSE	materiale: HSSE	materiale: HSS
ISO-6g	ISO-6g	ISO-6g	ISO-6g	ISO-6g
Smusso: 1,5 filetti	Smusso: 1,5 filetti	Smusso: 1,5 filetti	Smusso: 2 filetti	Smusso: 1,25 filetti
passo destro	passo sinistro	passo destro	passo destro	passo destro
		con ingresso a spirale	con ingresso a spirale	con ingresso a spirale




M	D	D1	H	D2	No.	No.	No.	No.	No.
M 24 x 3,0	24,0	55	22	23,76	1301#01001VI0	1301#01021VI0	1301#01041VI0	1301#01051VI0	
M 27 x 3,0	27,0	65	25	26,76	1301#010023U0	1301#010223U0	1301#010423U0	1301#010523U0	
M 30 x 3,5	30,0	65	25	29,73	1301#01002CB0	1301#01022CB0	1301#01042CB0	1301#01052CB0	
M 33 x 3,5	33,0	65	25	32,73	1301#01002KN0	1301#01022KN0			
M 36 x 4,0	36,0	65	25	35,70	1301#01002T40	1301#01022T40			
M 39 x 4,0	39,0	75	30	38,70	1301#010031G0	1301#010231G0			
M 42 x 4,5	42,0	75	30	41,68	1301#010039X0	1301#010239X0			
M 45 x 4,5	45,0	90	36	44,68	1301#01003190	1301#01023190			
M 48 x 5,0	48,0	90	36	47,66	1301#01003QQ0	1301#01023QQ0			
M 52 x 5,0	52,0	90	36	51,66	1301#010041U0	1301#010241U0			
M 56 x 5,5	56,0	105	36	55,65	1301#01004D30				
M 60 x 5,5	60,0	105	36	59,65	1301#01004070				
M 64 x 6,0	64,0	120	36	63,62	1301#01004ZG0				
M 68 x 6,0	68,0	120	36	67,62	1301#01005AK0				
M 72 x 6,0	72,0	120	36		1301#01005L00				
M 76 x 6,0	76,0	120	36		1301#01005WS0				
M 80 x 6,0	80,0	120	36		1301#010067W0				
M 84 x 6,0	84,0	130	36		1301#01006J00				
M 88 x 6,0	88,0	140	36		1301#01006U40				
M 90 x 6,0	90,0	140	36		1301#01006Z00				
M 92 x 6,0	92,0	140	36		1301#01007580				
M 96 x 6,0	96,0	140	36		1301#01007GC0				
M 100 x 6,0	100,0	150	36		1301#01007RG0				

Filiera tonda per uso generale diametro ridotto

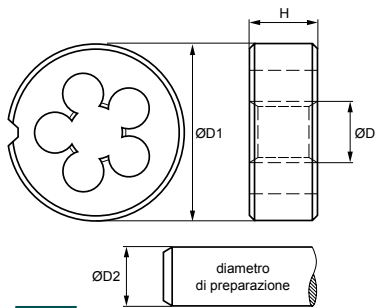
TOL



materiale: HSS Ge




Smusso: 1,5 filetti passo destro




M	D	D1	H	D2	No.
M 3 x 0,5	3	20	5	2,89	1301#012109Q0
M 4 x 0,7	4	20	5	3,87	1301#01210BB0
M 5 x 0,8	5	20	7	4,86	1301#01210E40
M 6 x 1,0	6	20	7	5,85	1301#01210GY0
M 8 x 1,25	8	25	9	7,83	1301#01210MK0
M 10 x 1,5	10	30	11	9,81	1301#01210S70
M 12 x 1,75	12	38	14	11,81	1301#01210XT0
M 14 x 2,0	14	38	14	13,87	1301#012113G0
M 16 x 2,0	16	45	18	15,87	1301#01211900
M 18 x 2,5	18	45	18	17,75	1301#01211EP0
M 20 x 2,5	20	45	18	19,75	1301#01211K90

Filiera tonda per uso generale dimensioni: 25 x 9

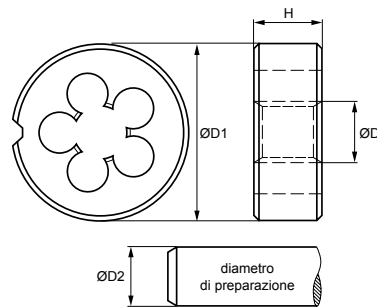
TOL



materiale: HSS ISO-6g



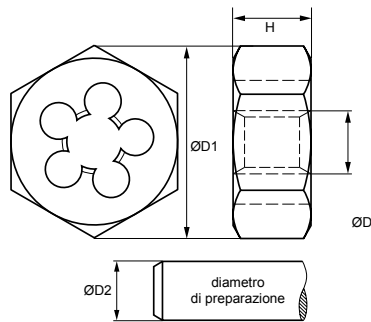
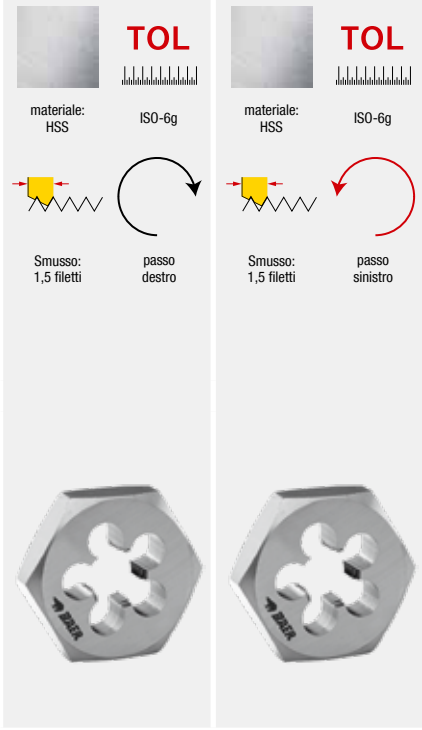
Smusso: 1,5 filetti passo destro



M	D	D1	H	D2	No.
M 3 x 0,5	3	25	9	2,92	1301#012209Q0
M 4 x 0,7	4	25	9	3,90	1301#01220BB0
M 5 x 0,8	5	25	9	4,90	1301#01220E40
M 6 x 1,0	6	25	9	5,88	1301#01220GY0
M 8 x 1,25	8	25	9	7,86	1301#01220MK0
M 10 x 1,5	10	25	9	9,85	1301#01220S70
M 12 x 1,75	12	25	9	11,83	1301#01220XT0

Filiera esagonale per uso generale

Filiera esagonale per uso generale
Passo Sinistro



M	D	D1	H	D2	No.	No.
M 3 x 0,5	3,0	19	5	2,92	1301#020009Q0	1301#020209Q0
M 3,5 x 0,6	3,5	19	5	3,41	1301#02000A00	
M 4 x 0,7	4,0	19	5	3,90	1301#02000BB0	1301#02020BB0
M 5 x 0,8	4,5	19	7	4,40	1301#02000E40	1301#02020E40
M 6 x 1,0	6,0	19	7	5,88	1301#02000GY0	1301#02020GY0
M 7 x 1,0	7,0	22	9	6,88	1301#02000JQ0	
M 8 x 1,25	8,0	22	9	7,86	1301#02000MK0	1301#02020MK0
M 9 x 1,25	9,0	22	9	8,86	1301#02000PC0	
M 10 x 1,5	10,0	27	11	9,85	1301#02000S70	1301#02020S70
M 11 x 1,5	11,0	27	11	10,85	1301#02000UZ0	
M 12 x 1,75	12,0	36	14	11,83	1301#02000XT0	1301#02020XT0
M 14 x 2,0	14,0	36	14	13,82	1301#020013G0	1301#020213G0
M 16 x 2,0	16,0	41	18	15,82	1301#02001900	1301#02021900
M 18 x 2,5	18,0	41	18	17,79	1301#02001EP0	1301#02021EP0
M 20 x 2,5	20,0	41	18	19,79	1301#02001K90	1301#02021K90
M 22 x 2,5	22,0	50	22	21,79	1301#02001PT0	1301#02021PT0
M 24 x 3,0	24,0	50	22	23,76	1301#02001VI0	1301#02021VI0
M 27 x 3,0	27,0	60	25	26,76	1301#020023U0	1301#020223U0
M 30 x 3,5	30,0	60	25	29,73	1301#02002CB0	1301#02022CB0
M 33 x 3,5	33,0	60	25	32,73	1301#02002KNO	1301#02022KNO
M 36 x 4,0	36,0	60	25	35,70	1301#02002T40	1301#02022T40
M 39 x 4,0	39,0	70	30	38,70	1301#020031G0	1301#020231G0
M 42 x 4,5	42,0	70	30	41,68	1301#020039X0	1301#020239X0
M 45 x 4,5	45,0	85	36	44,68	1301#02003I90	1301#02023I90
M 48 x 5,0	48,0	85	36	47,66	1301#02003QQ0	1301#02023QQ0
M 52 x 5,0	52,0	85	36	51,66	1301#020041U0	1301#020241U0
M 56 x 5,5	56,0	100	36	55,65	1301#02004D30	
M 60 x 5,5	60,0	100	36	59,65	1301#02004070	
M 64 x 6,0	64,0	100	36	63,62	1301#02004ZG0	
M 68 x 6,0	68,0	115	36	67,62	1301#02005AK0	

Set di Maschi a mano, Filiere tonde e Utensili (immagine rappresentativa)



Set MF 3 - MF 12

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi)	MF 3 x 0,35 MF 4 x 0,5 MF 5 x 0,5 6 x 0,75 MF 8 x 0,75 MF 8 x 1,0 MF 10 x 1,0 MF 12 x 1,5
HSS Filiere tonde	MF 3 x 0,35 MF 4 x 0,5 MF 5 x 0,5 6 x 0,75 MF 8 x 0,75 MF 8 x 1,0 MF 10 x 1,0 MF 12 x 1,5
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 4-12 5/32-1/2 G 1/8
Portafiliera - zincato	20 x 5 20 x 7 25 x 9 30 x 11 38 x 10
Estrattore di viti	

Art.:
1401#43011001

Set MF 6 - MF 20

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi)	MF 6 x 0,75 MF 8 x 0,75 MF 8 x 1,0 MF 10 x 1,0 MF 12 x 1,0 MF 12 x 1,5 MF 14 x 1,25 MF 14 x 1,5 MF 16 x 1,5 MF 18 x 1,5 MF 20 x 1,5
HSS Filiere tonde	MF 6 x 0,75 MF 8 x 0,75 MF 8 x 1,0 MF 10 x 1,0 MF 12 x 1,0 MF 12 x 1,5 MF 14 x 1,25 MF 14 x 1,5 MF 16 x 1,5 MF 18 x 1,5 MF 20 x 1,5
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 5-20 7/32-3/4 G 1/8-G 1/2
Portafiliera - zincato	20 x 7 25 x 9 30 x 11 38 x 10 45 x 14
Estrattore di viti	

Art.:
1401#43011002

Set MF 6 - MF 24

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi)	MF 6 x 0,75 MF 8 x 0,75 MF 8 x 1,0 MF 10 x 1,0 MF 12 x 1,0 MF 12 x 1,5 MF 14 x 1,25 MF 14 x 1,5 MF 16 x 1,5 MF 18 x 1,5 MF 20 x 1,5 MF 22 x 1,5 MF 24 x 1,5
HSS Filiere tonde	MF 6 x 0,75 MF 8 x 0,75 MF 8 x 1,0 MF 10 x 1,0 MF 12 x 1,0 MF 12 x 1,5 MF 14 x 1,25 MF 14 x 1,5 MF 16 x 1,5 MF 18 x 1,5 MF 20 x 1,5 MF 22 x 1,5 MF 24 x 1,5
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 11-27 7/16-1" G 1/4-G 3/4
Portafiliera - zincato	20 x 7 25 x 9 30 x 11 38 x 10 45 x 14 55 x 16
Estrattore di viti	

Art.:
1401#43011003

Maschi Corti a Macchina e Filiere tonde Sets MF 5 - MF 12
(immagine rappresentativa)



Set MF 5 - MF 12
HSSG Maschi Corti a Macchina, Punte da trapano e
HSS Filiere tonde

HSSG Maschi a Macchina corti M 5 x 0,5 | M 6 x 0,75 | M 8 x 1,0 | M 10 x 1,0 | M 12 x 1,5
Forma D per fori passanti & ciechi (fino a 4 x D)

HSSG Punte da trapano 4,3 mm | 5,2 mm | 7,0 mm | 9,0 mm | 10,5 mm

HSS Filiere tonde M 5 x 0,5 | M 6 x 0,75 | M 8 x 1,0 | M 10 x 1,0 | M 12 x 1,5

Art.:
1401#5000001



MF

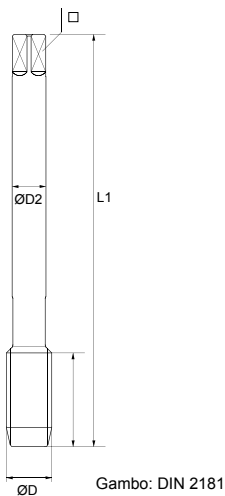
Filettatura Metrica fine / ISO DIN 13

Tagliente efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Applicazione:

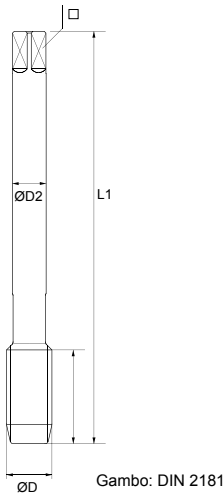
- Materiali non abrasivi fino a 900 N/mm²
- Acciaio non legato e bassamente legato



Maschi Corti a Macchina

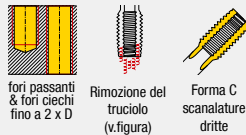
Forma D per fori passanti e fori ciechi

MF	D1	D2	L1	L2	□	🔩	No.
MF 6 x 0,75	6,0	6,0	50	14	4,9	5,20	1201#01000GV0
MF 8 x 0,75	8,0	6,0	50	19	4,9	6,20	1201#01000MF0
MF 8 x 1,0	8,0	6,0	56	22	4,9	7,00	1201#01000MI0
MF 9 x 0,75	9,0	7,0	56	19	5,5	8,20	1201#01000P70
MF 9 x 1,0	9,0	7,0	63	20	5,5	8,00	1201#01000PA0
MF 10 x 0,75	10,0	7,0	63	20	5,5	9,20	1201#01000RZ0
MF 10 x 1,0	10,0	7,0	63	20	5,5	9,00	1201#01000S20
MF 10 x 1,25	10,0	7,0	70	24	5,5	8,80	1201#01000S40
MF 12 x 1,0	12,0	9,0	70	22	7,0	11,00	1201#01000XM0
MF 12 x 1,25	12,0	9,0	70	22	7,0	10,80	1201#01000X00
MF 12 x 1,5	12,0	9,0	70	22	7,0	10,50	1201#01000XR0
MF 13 x 1,0	13,0	11,0	70	22	9,0	12,00	1201#010010E0
MF 13 x 1,5	13,0	11,0	70	22	9,0	11,50	1201#010010J0
MF 14 x 1,0	14,0	11,0	70	22	9,0	13,00	1201#01001360
MF 14 x 1,25	14,0	11,0	70	22	9,0	12,80	1201#01001380
MF 14 x 1,5	14,0	11,0	70	22	9,0	12,50	1201#010013B0
MF 15 x 1,5	15,0	12,0	70	22	9,0	13,50	1201#01001630
MF 16 x 1,5	16,0	12,0	70	22	9,0	14,50	1201#010018V0
MF 18 x 1,0	18,0	14,0	80	22	11,0	17,00	1201#01001EA0
MF 18 x 1,5	18,0	14,0	80	22	11,0	16,50	1201#01001EF0
MF 20 x 1,5	20,0	16,0	80	22	12,0	18,50	1201#01001JZ0
MF 20 x 2,0	20,0	16,0	80	22	12,0	18,00	1201#01001K40
MF 22 x 1,5	22,0	18,0	80	22	14,5	20,50	1201#01001PJ0
MF 22 x 2,0	22,0	18,0	80	22	14,5	20,00	1201#01001PO0
MF 24 x 1,5	24,0	18,0	90	22	14,5	22,50	1201#01001V30
MF 24 x 2,0	24,0	18,0	90	22	14,5	22,00	1201#01001V80
MF 25 x 1,5	25,0	18,0	90	22	14,5	23,50	1201#01001XV0
MF 26 x 1,5	26,0	18,0	90	22	14,5	24,50	1201#010020N0
MF 27 x 1,5	27,0	20,0	90	22	16,0	25,50	1201#010023F0
MF 28 x 1,5	28,0	20,0	90	22	16,0	26,50	1201#01002670
MF 30 x 1,5	30,0	22,0	90	22	18,0	28,50	1201#01002BR0
MF 30 x 2,0	30,0	22,0	90	22	18,0	28,00	1201#01002BW0
MF 32 x 1,5	32,0	22,0	90	22	18,0	30,50	1201#01002HB0



Gambo: DIN 2181

Set Maschi a Mano per uso generale



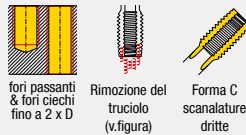
fori passanti & fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
N/mm² HRC
a 900 N/mm² 27,1 HRC

materiale: HSSG



Set Maschi a Mano per uso generale Passo Sinistro



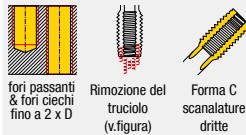
fori passanti & fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
N/mm² HRC
a 900 N/mm² 27,1 HRC

materiale: HSSG



Set Maschi a Mano HSSE per materiali ad alta resistenza



fori passanti & fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
N/mm² HRC
a 1000 N/mm² 31 HRC

materiale: HSSE


MF

	D1	D2	L1	L2			No.	No.	No.
MF 2,5 x 0,35	2,5	2,8	40	9	2,1	2,15	1201#03000710		
MF 2,6 x 0,35	2,6	2,8	40	9	2,1	2,25	1201#030007B0		
MF 3 x 0,35	3,0	3,5	40	9	2,7	2,65	1201#030008F0		
MF 3,5 x 0,35	3,5	4,0	45	10	3,0	3,15	1201#030009T0		
MF 4 x 0,35	4,0	4,5	45	10	3,4	3,65	1201#03000B70		
MF 4 x 0,5	4,0	4,5	45	10	3,4	3,50	1201#03000B90		
MF 4,5 x 0,5	4,5	6,0	50	12	4,9	4,00	1201#03000CNO		
MF 5 x 0,5	5,0	6,0	50	12	4,9	4,50	1201#03000E10		
MF 5 x 0,75	5,0	6,0	50	12	4,9	4,25	1201#03000FF0		
MF 5,5 x 0,5	5,5	6,0	50	12	4,9	5,00	1201#03000E30		
MF 6 x 0,5	6,0	6,0	50	14	4,9	5,50	1201#03000GT0		
MF 6 x 0,75	6,0	6,0	50	14	4,9	5,20	1201#03000GV0	1201#03020GV0	1201#03040GV0
MF 7 x 0,5	7,0	6,0	50	14	4,9	6,50	1201#03000JL0		
MF 7 x 0,75	7,0	6,0	50	14	4,9	6,20	1201#03000JN0		
MF 8 x 0,5	8,0	6,0	50	19	4,9	7,50	1201#03000MD0		
MF 8 x 0,75	8,0	6,0	50	19	4,9	7,20	1201#03000MF0	1201#03020MF0	1201#03040MF0
MF 8 x 1	8,0	6,0	56	22	4,9	7,00	1201#03000MI0	1201#03020MI0	1201#03040MI0
MF 9 x 0,5	9,0	7,0	56	19	5,5	8,50	1201#03000P50		
MF 9 x 0,75	9,0	7,0	56	19	5,5	8,25	1201#03000P70		
MF 9 x 1	9,0	7,0	63	20	5,5	8,00	1201#03000PA0		
MF 10 x 0,5	10,0	7,0	63	20	5,5	9,50	1201#03000RX0		
MF 10 x 0,75	10,0	7,0	63	20	5,5	9,20	1201#03000RZ0		
MF 10 x 1,0	10,0	7,0	63	20	5,5	9,00	1201#03000S20	1201#03020S20	1201#03040S20
MF 10 x 1,25	10,0	7,0	70	24	5,5	8,80	1201#03000S40	1201#03020S40	1201#03040S40
MF 11 x 0,75	11,0	8,0	63	20	6,2	10,20	1201#03000UR0		
MF 11 x 1,0	11,0	8,0	63	20	6,2	10,00	1201#03000UU0		
MF 11 x 1,25	11,0	8,0	63	22	6,2	10,80	1201#03000UW0		
MF 12 x 0,5	12,0	9,0	70	22	7,0	11,50	1201#03000XH0		
MF 12 x 0,75	12,0	9,0	70	22	7,0	10,20	1201#03000XJ0		
MF 12 x 1,0	12,0	9,0	70	22	7,0	11,00	1201#03000XM0	1201#03020XM0	1201#03040XM0
MF 12 x 1,25	12,0	9,0	70	22	7,0	10,80	1201#03000X00	1201#03020X00	1201#03040X00
MF 12 x 1,5	12,0	9,0	70	22	7,0	10,50	1201#03000XR0	1201#03020XR0	1201#03040XR0
MF 13 x 0,5	13,0	11,0	70	22	9,0	12,50	1201#03001090		



MF

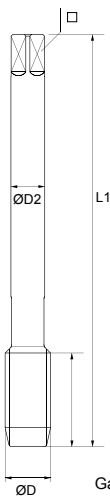
Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Set Maschi a Mano include 2 maschi:

-  Maschio sgrossatore
-  Maschio finitore



Gambo: DIN 2181

Set Maschi a Mano per uso generale



TOL **N/mm² HRC**

materiale: HSSG a 900 N/mm² 27,1 HRC



Set Maschi a Mano per uso generale Passo Sinistro



TOL **N/mm² HRC**

materiale: HSSG a 900 N/mm² 27,1 HRC



Set Maschi a Mano HSE per materiali ad alta resistenza





TOL **N/mm² HRC**

materiale: HSSE a 1000 N/mm² 31 HRC



MF

	D1	D2	L1	L2			No.	No.	No.
MF 13 x 0,75	13,0	11,0	70	22	9,0	12,20	1201#030010B0		
MF 13 x 1,0	13,0	11,0	70	22	9,0	12,00	1201#030010E0		
MF 13 x 1,5	13,0	11,0	70	22	9,0	11,50	1201#030010J0		
MF 14 x 0,5	14,0	11,0	70	22	9,0	13,50	1201#03001310		
MF 14 x 0,75	14,0	11,0	70	22	9,0	13,20	1201#03001330		
MF 14 x 1,0	14,0	11,0	70	22	9,0	13,00	1201#03001360		
MF 14 x 1,25	14,0	11,0	70	22	9,0	12,80	1201#03001380	1201#03021380	1201#03041380
MF 14 x 1,5	14,0	11,0	70	22	9,0	12,50	1201#030013B0	1201#030213B0	1201#030413B0
MF 15 x 0,75	15,0	12,0	70	22	9,0	14,20	1201#030015V0		
MF 15 x 1,0	15,0	12,0	70	22	9,0	14,00	1201#030015Y0		
MF 15 x 1,5	15,0	12,0	70	22	9,0	13,50	1201#03001630		
MF 16 x 0,5	16,0	12,0	70	22	9,0	15,50	1201#030018L0		
MF 16 x 0,75	16,0	12,0	70	22	9,0	15,20	1201#030018N0		
MF 16 x 1,0	16,0	12,0	70	22	9,0	15,00	1201#030018Q0	1201#030218Q0	1201#030418V0
MF 16 x 1,25	16,0	12,0	70	22	9,0	14,80	1201#030018S0		
MF 16 x 1,5	16,0	12,0	70	22	9,0	14,50	1201#030018V0	1201#030218V0	1201#03041EF0
MF 17 x 1	17,0	12,0	70	22	9,0	16,00	1201#03001B10		
MF 17 x 1,5	17,0	12,0	70	22	9,0	15,50	1201#03001BN0		
MF 18 x 0,5	18,0	14,0	80	22	11,0	17,50	1201#03001E50		
MF 18 x 0,75	18,0	14,0	80	22	11,0	17,20	1201#03001E70		
MF 18 x 1,0	18,0	14,0	80	22	11,0	17,00	1201#03001EA0		
MF 18 x 1,25	18,0	14,0	80	22	11,0	16,80	1201#03001EC0		
MF 18 x 1,5	18,0	14,0	80	22	11,0	16,50	1201#03001EF0	1201#03021EF0	1201#03041EK0
MF 18 x 2,0	18,0	14,0	80	22	11,0	16,00	1201#03001EK0		
MF 19 x 1	19,0	16,0	80	22	12,0	18,00	1201#03001H20		
MF 19 x 1,5	19,0	14,0	80	22	11,0	17,50	1201#03001H70		
MF 20 x 0,5	20,0	16,0	80	22	12,0	19,50	1201#03001JP0		
MF 20 x 0,75	20,0	16,0	80	22	12,0	19,20	1201#03001JR0		
MF 20 x 1,0	20,0	16,0	80	22	12,0	19,00	1201#03001JU0		
MF 20 x 1,25	20,0	16,0	80	22	12,0	18,80	1201#03001JW0		
MF 20 x 1,5	20,0	16,0	80	22	12,0	18,50	1201#03001JZ0	1201#03021JZ0	1201#03041JZ0
MF 20 x 2,0	20,0	16,0	80	22	12,0	18,00	1201#03001K40		1201#03041K40
MF 21 x 1	21,0	16,0	80	22	12,0	20,00	1201#03001NM0		



MF

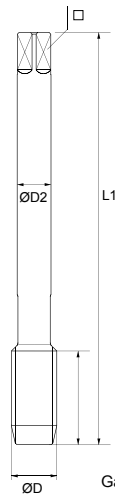
Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Set Maschi a Mano include 2 maschi:

-  Maschio sgrossatore
-  Maschio finitore



Gambo: DIN 2181

Set Maschi a Mano per uso generale

TOL **N/mm² HRC**
a 900 N/mm² 27,1 HRC

materiale: HSSG

2-3 filetti raffreddare e lubrificare

Set Maschi a Mano per uso generale Passo Sinistro

TOL **N/mm² HRC**
a 900 N/mm² 27,1 HRC

materiale: HSSG

2-3 filetti raffreddare e lubrificare



Set Maschi a Mano HSSE per materiali ad alta resistenza

TOL **N/mm² HRC**
a 1000 N/mm² 31 HRC

materiale: HSSE

2-3 filetti raffreddare e lubrificare

MF

	D1	D2	L1	L2			No.	No.	No.
MF 21 x 1,5	21,0	16,0	80	22	12,0	19,50	1201#03001MRO		
MF 22 x 0,5	22,0	18,0	80	22	14,5	21,50	1201#03001P90		
MF 22 x 0,75	22,0	18,0	80	22	14,5	21,20	1201#03001PBO		
MF 22 x 1,0	22,0	18,0	80	22	14,5	21,00	1201#03001PEO		
MF 22 x 1,25	22,0	18,0	80	22	14,5	20,80	1201#03001PGO		
MF 22 x 1,5	22,0	18,0	80	22	14,5	20,50	1201#03001PJO	1201#03021PJO	1201#03041PJO
MF 22 x 2,0	22,0	18,0	80	22	14,5	20,00	1201#03001POO		1201#03041POO
MF 23 x 1	23,0	18,0	80	22	14,5	22,00	1201#03001S60		
MF 23 x 1,5	23,0	18,0	80	22	14,5	21,50	1201#03001SBO		
MF 24 x 0,5	24,0	18,0	90	22	14,5	23,50	1201#03001UTO		
MF 24 x 0,75	24,0	18,0	90	22	14,5	23,20	1201#03001UV0		
MF 24 x 1,0	24,0	18,0	90	22	14,5	23,00	1201#03001UY0		
MF 24 x 1,25	24,0	18,0	90	22	14,5	23,80	1201#03001V00		
MF 24 x 1,5	24,0	18,0	90	22	14,5	22,50	1201#03001V30	1201#03021V30	1201#03041V30
MF 24 x 2,0	24,0	18,0	90	22	14,5	22,00	1201#03001V80	1201#03021V80	
MF 25 x 1,0	25,0	18,0	90	22	14,5	24,00	1201#03001XQ0		
MF 25 x 1,5	25,0	18,0	90	22	14,5	23,50	1201#03001XV0		
MF 26 x 1,0	26,0	18,0	90	22	14,5	25,00	1201#03002OI0		
MF 26 x 1,5	26,0	18,0	90	22	14,5	24,50	1201#03002ON0		
MF 26 x 2,0	26,0	18,0	90	22	14,5	24,00	1201#03002OS0		
MF 27 x 1	27,0	20,0	90	22	16,0	26,00	1201#030023AO		
MF 27 x 1,5	27,0	20,0	90	22	16,0	25,50	1201#030023FO		
MF 27 x 2,0	27,0	20,0	90	22	16,0	25,00	1201#030023KO		
MF 28 x 1,0	28,0	20,0	90	22	16,0	27,00	1201#03002620		
MF 28 x 1,5	28,0	20,0	90	22	16,0	26,50	1201#03002670		
MF 28 x 2,0	28,0	20,0	90	22	16,0	26,00	1201#030026C0		
MF 29 x 1,5	29,0	22,0	90	22	18,0	27,50	1201#030028Z0		
MF 30 x 1,0	30,0	22,0	90	22	18,0	29,00	1201#03002BMO		
MF 30 x 1,5	30,0	22,0	90	22	18,0	28,50	1201#03002BR0	1201#03022BR0	
MF 30 x 2,0	30,0	22,0	90	22	18,0	28,00	1201#03002BW0	1201#03022BW0	
MF 30 x 2,5	30,0	22,0	125	56	18,0	27,50	1201#03002C10		
MF 30 x 3,0	30,0	22,0	125	56	18,0	27,00	1201#03002C60		
MF 32 x 1	32,0	22,0	90	22	18,0	31,00	1201#03002H60		

MF

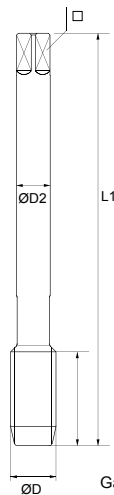
Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Set Maschi a Mano include 2 maschi:

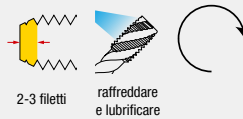
- Maschio sgrossatore
- Maschio finitore



Gambo: DIN 2181

Set Maschi a Mano per uso generale


materiale: HSSG
 ISO2/6H
TOL
 a 900 N/mm² 27,1 HRC


Set Maschi a Mano per uso generale Passo Sinistro


materiale: HSSG
 ISO2/6H
TOL
 a 900 N/mm² 27,1 HRC


Set Maschi a Mano HSE per materiali ad alta resistenza


materiale: HSSE
 ISO2/6H
TOL
 a 1000 N/mm² 31 HRC


MF

	D1	D2	L1	L2			No.	No.	No.
MF 32 x 1,5	32,0	22,0	90	22	18,0	30,50	1201#03002HB0		
MF 32 x 2,0	32,0	22,0	90	22	18,0	30,00	1201#03002HG0		
MF 32 x 3,0	32,0	22,0	125	56	18,0	29,00	1201#03002HQ0		
MF 33 x 1,5	33,0	25,0	100	25	20,0	31,50	1201#03002K30		
MF 33 x 2,0	33,0	25,0	100	25	20,0	31,00	1201#03002K80		
MF 33 x 3,0	33,0	25,0	125	56	20,0	30,00	1201#03002K10		
MF 34 x 1	34,0	28,0	100	25	22,0	33,00	1201#03002MQ0		
MF 34 x 1,5	34,0	28,0	100	25	22,0	32,50	1201#03002MV0		
MF 34 x 2,0	34,0	28,0	125	40	22,0	32,00	1201#03002N00		
MF 35 x 1	35,0	28,0	100	25	22,0	34,00	1201#03002PI0		
MF 35 x 1,5	35,0	28,0	100	25	22,0	33,50	1201#03002PN0		
MF 35 x 2	35,0	28,0	125	40	22,0	33,00	1201#03002PS0		
MF 36 x 1	36,0	28,0	100	25	22,0	35,00	1201#03002SA0		
MF 36 x 1,5	36,0	28,0	100	25	22,0	34,50	1201#03002SF0		
MF 36 x 2,0	36,0	28,0	125	40	22,0	34,00	1201#03002SK0		
MF 36 x 3,0	36,0	28,0	125	40	22,0	33,00	1201#03002SU0		
MF 37 x 1,5	37,0	28,0	100	25	22,0	35,50	1201#03002V70		
MF 38 x 1	38,0	28,0	100	25	22,0	37,00	1201#03002XU0		
MF 38 x 1,5	38,0	28,0	100	25	22,0	36,50	1201#03002XZ0		
MF 38 x 2	38,0	28,0	125	40	22,0	36,00	1201#03002Y40		
MF 38 x 3	38,0	28,0	125	40	22,0	35,00	1201#03002YE0		
MF 39 x 1,5	39,0	32,0	110	25	24,0	37,50	1201#03003OR0		
MF 39 x 2,0	39,0	32,0	125	40	24,0	37,00	1201#03003OW0		
MF 39 x 3,0	39,0	32,0	125	40	24,0	36,00	1201#03003160		
MF 40 x 1	40,0	32,0	110	25	24,0	39,00	1201#030033E0		
MF 40 x 1,5	40,0	32,0	110	25	24,0	38,50	1201#030033J0		
MF 40 x 2,0	40,0	32,0	125	40	24,0	38,00	1201#03003300		
MF 40 x 3,0	40,0	32,0	125	40	24,0	37,00	1201#030033Y0		
MF 42 x 1	42,0	32,0	110	25	24,0	41,00	1201#030038Y0		
MF 42 x 1,5	42,0	32,0	110	25	24,0	40,50	1201#03003930		
MF 42 x 2,0	42,0	32,0	125	40	24,0	40,00	1201#03003980		
MF 42 x 3,0	42,0	32,0	125	40	24,0	39,00	1201#03003910		
MF 44 x 1,5	44,0	36,0	110	25	29,0	42,50	1201#03003EN0		


MF

Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Set Maschi a Mano include 2 maschi:

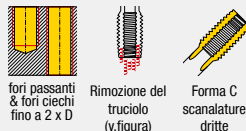
 Maschio sgrossatore

 Maschio finitore

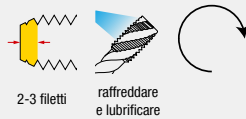


Gambo: DIN 2181

Set Maschi a Mano per uso generale



TOL **N/mm² HRC**
materiale: HSSG a 900 N/mm² 27,1 HRC



Set Maschi a Mano per uso generale Passo Sinistro



TOL **N/mm² HRC**
materiale: HSSG a 900 N/mm² 27,1 HRC





Set Maschi a Mano HSSE per materiali ad alta resistenza



TOL **N/mm² HRC**
materiale: HSSE a 1000 N/mm² 31 HRC



MF



	D1	D2	L1	L2			No.	No.	No.
MF 44 x 2	44,0	36,0	125	40	29,0	42,00	1201#03003ESO		
MF 45 x 1	45,0	36,0	110	25	29,0	44,00	1201#03003HA0		
MF 45 x 1,5	45,0	36,0	110	25	29,0	43,50	1201#03003HF0		
MF 45 x 2,0	45,0	36,0	125	40	29,0	43,00	1201#03003HK0		
MF 45 x 3,0	45,0	36,0	125	40	29,0	42,00	1201#03003HU0		
MF 46 x 1,5	46,0	36,0	140	40	29,0	45,50	1201#03003K70		
MF 48 x 1	48,0	36,0	140	40	29,0	47,00	1201#03003PM0		
MF 48 x 1,5	48,0	36,0	140	40	29,0	46,50	1201#03003PP0		
MF 48 x 2,0	48,0	36,0	140	40	29,0	46,00	1201#03003PW0		
MF 48 x 3,0	48,0	36,0	140	40	29,0	45,00	1201#03003Q60		
MF 50 x 1,5	50,0	36,0	140	40	29,0	48,50	1201#03003VB0		
MF 50 x 2,0	50,0	36,0	140	40	29,0	48,00	1201#03003VG0		
MF 50 x 3,0	50,0	36,0	140	40	29,0	47,00	1201#03003VQ0		
MF 52 x 1,5	52,0	40,0	140	40	32,0	50,50	1201#030040V0		
MF 52 x 2,0	52,0	40,0	140	40	32,0	50,00	1201#03004100		
MF 52 x 3,0	52,0	40,0	140	40	32,0	49,00	1201#030041A0		
MF 54 x 1	54,0	40,0	140	32	32,0	53,00	1201#030046A0		
MF 54 x 1,5	54,0	40,0	140	32	32,0	52,50	1201#030046F0		
MF 54 x 2,0	54,0	40,0	140	36	32,0	52,00	1201#030046K0		
MF 54 x 3,0	54,0	40,0	140	40	32,0	51,00	1201#030046U0		
MF 54 x 4,0	54,0	40,0	180	50	32,0	50,00	1201#03004740		
MF 55 x 1,5	55,0	40,0	140	32	32,0	53,50	1201#03004970		
MF 55 x 2,0	55,0	40,0	140	36	32,0	53,00	1201#030049C0		
MF 55 x 3,0	55,0	40,0	140	40	32,0	52,00	1201#030049M0		
MF 55 x 4,0	55,0	40,0	180	50	32,0	51,00	1201#030049W0		
MF 56 x 1	56,0	40,0	140	32	32,0	55,00	1201#03004BU0		
MF 56 x 1,5	56,0	40,0	140	32	32,0	54,50	1201#03004BZ0		
MF 56 x 2,0	56,0	40,0	140	36	32,0	54,00	1201#03004C40		
MF 56 x 3,0	56,0	40,0	140	40	32,0	53,00	1201#03004CE0		
MF 56 x 4,0	56,0	40,0	180	50	32,0	52,00	1201#03004C00		
MF 58 x 1	58,0	45,0	160	32	35,0	57,00	1201#03004HE0		
MF 58 x 1,5	58,0	45,0	160	32	35,0	56,50	1201#03004HJ0		
MF 58 x 2,0	58,0	45,0	160	36	35,0	56,00	1201#03004H00		
MF 58 x 3,0	58,0	45,0	160	40	35,0	55,00	1201#03004HY0		

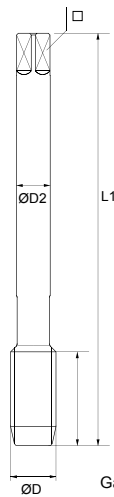
MF

Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente. La struttura corta lo rende utilizzabile a macchina e a mano

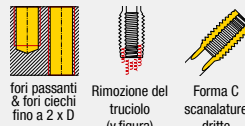
Set Maschi a Mano include 2 maschi:

-  Maschio sgrossatore
-  Maschio finitore



Gambo: DIN 2181

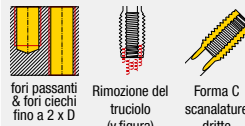
Set Maschi a Mano per uso generale



TOL **N/mm² HRC**
a 900 N/mm² 27,1 HRC



Set Maschi a Mano per uso generale Passo Sinistro



TOL **N/mm² HRC**
a 900 N/mm² 27,1 HRC





Set Maschi a Mano HSS per materiali ad alta resistenza



TOL **N/mm² HRC**
a 1000 N/mm² 31 HRC



MF

	D1	D2	L1	L2			No.	No.	No.
MF 58 x 4,0	58,0	45,0	200	55	35,0	54,00	1201#03004I80		
MF 60 x 1,5	60,0	45,0	160	34	35,0	58,50	1201#03004N30		
MF 60 x 2,0	60,0	45,0	160	36	35,0	58,00	1201#03004N80		
MF 60 x 3,0	60,0	45,0	160	40	35,0	57,00	1201#03004N10		
MF 60 x 4,0	60,0	45,0	200	55	35,0	56,00	1201#03004NS0		
MF 62 x 1,5	62,0	50,0	160	34	39,0	60,50	1201#03004SN0		
MF 62 x 2,0	62,0	50,0	160	36	39,0	60,00	1201#03004SS0		
MF 62 x 3,0	62,0	50,0	180	45	39,0	59,00	1201#03004T20		
MF 62 x 4,0	62,0	50,0	220	55	39,0	58,00	1201#03004TC0		
MF 63 x 1,5	63,0	50,0	160	32	39,0	61,50	1201#03004VF0		
MF 64 x 1,5	64,0	50,0	160	34	39,0	62,50	1201#03004Y70		
MF 64 x 2,0	64,0	50,0	160	36	39,0	62,00	1201#03004YC0		
MF 64 x 3,0	64,0	50,0	180	45	39,0	61,00	1201#03004YM0		
MF 64 x 4,0	64,0	50,0	220	60	39,0	60,00	1201#03004YW0		
MF 65 x 1,5	65,0	50,0	160	34	39,0	63,50	1201#030050Z0		
MF 65 x 2,0	65,0	50,0	160	36	39,0	63,00	1201#03005140		
MF 65 x 3,0	65,0	50,0	180	45	39,0	62,00	1201#030051E0		
MF 65 x 4,0	65,0	50,0	220	60	39,0	61,00	1201#03005100		
MF 68 x 1,5	68,0	50,0	160	36	39,0	66,50	1201#030059B0		
MF 68 x 2,0	68,0	50,0	160	40	39,0	66,00	1201#030059G0		
MF 68 x 3,0	68,0	50,0	180	50	39,0	65,00	1201#030059Q0		
MF 68 x 4,0	68,0	50,0	220	60	39,0	64,00	1201#03005A00		
MF 70 x 1,5	70,0	50,0	160	36	39,0	68,50	1201#03005E00		
MF 70 x 2,0	70,0	50,0	160	40	39,0	68,00	1201#03005F00		
MF 70 x 3,0	70,0	50,0	200	50	39,0	67,00	1201#03005FA0		
MF 70 x 4,0	70,0	50,0	240	60	39,0	66,00	1201#03005FK0		
MF 72 x 1,5	72,0	50,0	160	36	39,0	70,50	1201#03005KF0		
MF 72 x 2,0	72,0	50,0	160	40	39,0	70,00	1201#03005KK0		
MF 72 x 3,0	72,0	50,0	200	50	39,0	69,00	1201#03005KU0		
MF 72 x 4,0	72,0	50,0	240	60	39,0	68,00	1201#03005L40		
MF 74 x 1,5	74,0	50,0	160	36	39,0	72,50	1201#03005PZ0		
MF 74 x 2,0	74,0	50,0	160	40	39,0	72,00	1201#03005Q40		
MF 74 x 3,0	74,0	50,0	200	50	39,0	71,00	1201#03005QE0		
MF 74 x 4,0	74,0	50,0	240	60	39,0	70,00	1201#03005Q00		



MF

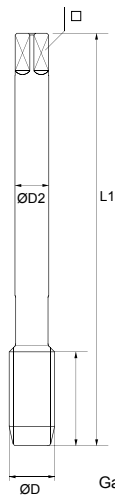
Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Set Maschi a Mano include 2 maschi:

-  Maschio sgrossatore
-  Maschio finitore



Gambo: DIN 2181

Set Maschi a Mano per uso generale



fori passanti & fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG a 900 N/mm² 27,1 HRC



2-3 filetti raffreddare e lubrificare



Set Maschi a Mano per uso generale Passo Sinistro



fori passanti & fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG a 900 N/mm² 27,1 HRC



2-3 filetti raffreddare e lubrificare



Set Maschi a Mano HSSE per materiali ad alta resistenza



fori passanti & fori ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL **N/mm² HRC**



materiale: HSSE a 1000 N/mm² 31 HRC



2-3 filetti raffreddare e lubrificare



MF

	D1	D2	L1	L2			No.	No.	No.
MF 75 x 1,5	75,0	50,0	160	36	39,0	73,50	1201#03005SR0		
MF 75 x 2,0	75,0	50,0	160	40	39,0	73,00	1201#03005SW0		
MF 75 x 3,0	75,0	50,0	200	50	39,0	72,00	1201#03005T60		
MF 75 x 4,0	75,0	50,0	240	60	39,0	71,00	1201#03005TG0		
MF 76 x 1,5	76,0	50,0	160	36	39,0	74,50	1201#03005VJ0		
MF 76 x 2,0	76,0	50,0	160	40	39,0	74,00	1201#03005V00		
MF 76 x 3,0	76,0	50,0	220	50	39,0	73,00	1201#03005VY0		
MF 76 x 4,0	76,0	50,0	260	60	39,0	72,00	1201#03005W80		
MF 78 x 1,5	78,0	50,0	160	36	39,0	76,50	1201#03006130		
MF 78 x 2,0	78,0	50,0	160	40	39,0	76,00	1201#03006180		
MF 78 x 3,0	78,0	50,0	220	55	39,0	75,00	1201#030061I0		
MF 78 x 4,0	78,0	50,0	260	65	39,0	74,00	1201#030061S0		
MF 80 x 1,5	80,0	50,0	160	36	39,0	78,50	1201#030066N0		
MF 80 x 2,0	80,0	50,0	160	40	39,0	78,00	1201#030066S0		
MF 80 x 3,0	80,0	50,0	220	55	39,0	77,00	1201#03006720		
MF 80 x 4,0	80,0	50,0	260	65	39,0	76,00	1201#030067C0		
MF 82 x 1,5	82,0	50,0	160	36	39,0	80,50	1201#03006C70		
MF 82 x 2,0	82,0	50,0	160	40	39,0	80,00	1201#03006CC0		
MF 82 x 3,0	82,0	50,0	220	55	39,0	79,00	1201#03006CM0		
MF 82 x 4,0	82,0	50,0	260	65	39,0	78,00	1201#03006CW0		
MF 84 x 1,5	84,0	50,0	160	36	39,0	82,50	1201#03006HR0		
MF 84 x 2,0	84,0	50,0	160	40	39,0	82,00	1201#03006HW0		
MF 84 x 3,0	84,0	50,0	220	55	39,0	81,00	1201#03006I60		
MF 84 x 4,0	84,0	50,0	260	65	39,0	80,00	1201#03006IG0		
MF 85 x 1,5	85,0	50,0	160	36	39,0	83,50	1201#03006KJ0		
MF 85 x 2,0	85,0	50,0	160	40	39,0	83,00	1201#03006K00		
MF 85 x 3,0	85,0	50,0	220	55	39,0	82,00	1201#03006KY0		
MF 85 x 4,0	85,0	50,0	260	65	39,0	81,00	1201#03006L80		
MF 86 x 1,5	86,0	50,0	160	36	39,0	84,50	1201#03006NB0		
MF 86 x 2,0	86,0	50,0	160	40	39,0	84,00	1201#03006NG0		
MF 86 x 3,0	86,0	50,0	220	55	39,0	83,00	1201#03006NQ0		
MF 86 x 4,0	86,0	50,0	260	65	39,0	82,00	1201#03006O00		
MF 88 x 1,5	88,0	50,0	160	38	39,0	86,50	1201#03006SV0		
MF 88 x 2,0	88,0	50,0	160	40	39,0	86,00	1201#03006T00		

MF

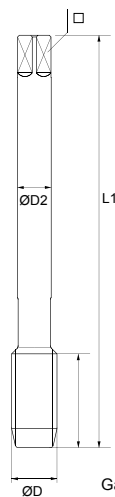
Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

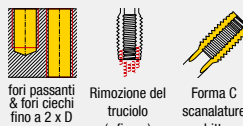
Set Maschi a Mano include 2 maschi:

- Maschio sgrossatore
- Maschio finitore



Gambo: DIN 2181

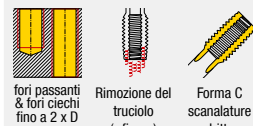
Set Maschi a Mano per uso generale



materiale: HSSG
 ISO2/6H
TOL
N/mm² HRC
 a 900 N/mm² 27,1 HRC



Set Maschi a Mano per uso generale Passo Sinistro



materiale: HSSG
 ISO2/6H
TOL
N/mm² HRC
 a 900 N/mm² 27,1 HRC



Set Maschi a Mano HSSE per materiali ad alta resistenza



materiale: HSSE
 ISO2/6H
TOL
N/mm² HRC
 a 1000 N/mm² 31 HRC

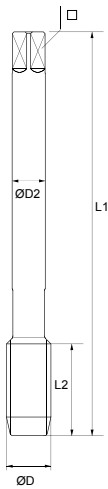

MF

	D1	D2	L1	L2			No.	No.	No.
MF 88 x 3,0	88,0	50,0	220	55	39,0	85,00	1201#03006TA0		
MF 88 x 4,0	88,0	50,0	260	65	39,0	84,00	1201#03006TK0		
MF 90 x 1,5	90,0	50,0	160	38	39,0	88,50	1201#03006YF0		
MF 90 x 2,0	90,0	50,0	160	40	39,0	88,00	1201#03006YK0		
MF 90 x 3,0	90,0	50,0	220	55	39,0	87,00	1201#03006YU0		
MF 90 x 4,0	90,0	50,0	260	65	39,0	86,00	1201#03006Z40		
MF 92 x 1,5	92,0	56,0	180	40	44,0	90,50	1201#030073Z0		
MF 92 x 2,0	92,0	56,0	180	45	44,0	90,00	1201#03007440		
MF 92 x 3,0	92,0	56,0	240	60	44,0	89,00	1201#030074E0		
MF 92 x 4,0	92,0	56,0	280	70	44,0	88,00	1201#03007400		
MF 95 x 1,5	95,0	56,0	180	40	44,0	93,50	1201#03007CB0		
MF 95 x 2,0	95,0	56,0	180	45	44,0	93,00	1201#03007CG0		
MF 95 x 3,0	95,0	56,0	240	60	44,0	92,00	1201#03007CQ0		
MF 95 x 4,0	95,0	56,0	280	70	44,0	91,00	1201#03007D00		
MF 96 x 1,5	96,0	56,0	180	40	44,0	94,50	1201#03007F30		
MF 96 x 2,0	96,0	56,0	180	45	44,0	94,00	1201#03007F80		
MF 96 x 3,0	96,0	56,0	240	60	44,0	93,00	1201#03007FI0		
MF 96 x 4,0	96,0	56,0	280	70	44,0	92,00	1201#03007FS0		
MF 98 x 1,5	98,0	56,0	180	40	44,0	96,50	1201#03007KN0		
MF 98 x 2,0	98,0	56,0	180	45	44,0	96,00	1201#03007KS0		
MF 98 x 3,0	98,0	56,0	240	60	44,0	95,00	1201#03007L20		
MF 98 x 4,0	98,0	56,0	280	70	44,0	94,00	1201#03007LC0		
MF 100 x 1,5	100,0	56,0	180	45	44,0	98,50	1201#03007Q70		
MF 100 x 2,0	100,0	56,0	180	50	44,0	98,00	1201#03007QC0		
MF 100 x 3,0	100,0	56,0	240	65	44,0	97,00	1201#03007QM0		
MF 100 x 4,0	100,0	56,0	280	75	44,0	96,00	1201#03007QW0		
MF 105 x 1,5	105,0	56,0	180	45	44,0	103,50	1201#03008430		
MF 105 x 2,0	105,0	56,0	180	50	44,0	103,00	1201#03008480		
MF 105 x 3,0	105,0	56,0	240	65	44,0	102,00	1201#030084I0		
MF 105 x 4,0	105,0	56,0	280	75	44,0	101,00	1201#030084S0		
MF 110 x 1,5	110,0	56,0	180	45	44,0	108,50	1201#03008HZ0		
MF 110 x 2,0	110,0	56,0	180	50	44,0	108,00	1201#03008I40		
MF 110 x 3,0	110,0	56,0	240	65	44,0	107,00	1201#03008IE0		
MF 110 x 4,0	110,0	56,0	280	75	44,0	106,00	1201#03008I00		

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 374

Maschi a Macchina per uso generale



fori passanti fino a 4 x D
Rimozione del truciolo (v.figura)
Forma B con punta a spirale



materiale: HSSE
ISO2/6H
a 900 N/mm²
27,1 HRC

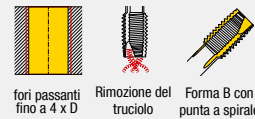


4-5 filetti
raffreddare e lubrificare

DIN 374



Maschi a Macchina per uso generale Passo sinistro



fori passanti fino a 4 x D
Rimozione del truciolo (v.figura)
Forma B con punta a spirale



materiale: HSSE
ISO2/6H
a 900 N/mm²
27,1 HRC



4-5 filetti
raffreddare e lubrificare

DIN 374



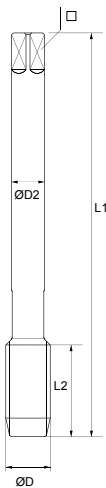
MF

	D1	D2	L1	L2	□	🔩	No.	No.
MF 3 x 0,35	3,0	2,2	56	9	-	2,65	1201#040008F4	1201#040208F4
MF 4 x 0,35	4,0	2,8	63	10	2,1	3,65	1201#04000B74	1201#04020B74
MF 4 x 0,5	4,0	2,8	63	10	2,1	3,50	1201#04000B94	1201#04020B94
MF 5 x 0,5	5,0	3,5	70	12	2,7	4,50	1201#04000E14	1201#04020E14
MF 5 x 0,75	5,0	3,5	70	12	2,7	4,25	1201#04000E34	1201#04020E34
MF 6 x 0,5	6,0	4,5	80	14	3,4	5,50	1201#04000GT4	1201#04020GT4
MF 6 x 0,75	6,0	4,5	80	14	3,4	5,20	1201#04000GV4	1201#04020GV4
MF 7 x 0,75	7,0	5,5	80	14	4,3	6,20	1201#04000JN4	1201#04020JN4
MF 8 x 0,5	8,0	6,0	80	19	4,9	7,50	1201#04000MD4	1201#04020MD4
MF 8 x 0,75	8,0	6,0	80	19	4,9	7,20	1201#04000MF4	1201#04020MF4
MF 8 x 1,0	8,0	6,0	90	22	4,9	7,00	1201#04000M4	1201#04020M4
MF 9 x 0,75	9,0	7,0	80	19	5,5	8,25	1201#04000P74	1201#04020P74
MF 9 x 1,0	9,0	7,0	90	22	5,5	8,00	1201#04000PA4	1201#04020PA4
MF 10 x 0,75	10,0	7,0	90	20	5,5	9,20	1201#04000RZ4	1201#04020RZ4
MF 10 x 1,0	10,0	7,0	90	20	5,5	9,00	1201#04000S24	1201#04020S24
MF 10 x 1,25	10,0	7,0	100	24	5,5	8,80	1201#04000S44	1201#04020S44
MF 11 x 1,0	11,0	8,0	90	20	6,2	10,00	1201#04000UU4	1201#04020UU4
MF 11 x 1,25	11,0	8,0	90	22	6,2	10,80	1201#04000UW4	1201#04020UW4
MF 12 x 0,75	12,0	9,0	100	22	7,0	10,20	1201#04000XJ4	1201#04020XJ4
MF 12 x 1,0	12,0	9,0	100	22	7,0	11,00	1201#04000XM4	1201#04020XM4
MF 12 x 1,25	12,0	9,0	100	22	7,0	10,80	1201#04000XO4	1201#04020XO4
MF 12 x 1,5	12,0	9,0	100	22	7,0	10,50	1201#04000XR4	1201#04020XR4
MF 13 x 1,0	13,0	11,0	100	22	9,0	12,00	1201#040010E4	1201#040210E4
MF 13 x 1,5	13,0	11,0	100	22	9,0	11,50	1201#040010J4	1201#040210J4
MF 14 x 0,75	14,0	11,0	100	22	9,0	13,20	1201#04001334	1201#04021334
MF 14 x 1,0	14,0	11,0	100	22	9,0	13,00	1201#04001364	1201#04021364
MF 14 x 1,25	14,0	11,0	100	22	9,0	12,80	1201#04001384	1201#04021384
MF 14 x 1,5	14,0	11,0	100	22	9,0	12,50	1201#040013B4	1201#040213B4
MF 15 x 1,0	15,0	12,0	100	22	9,0	14,00	1201#040015Y4	1201#040215Y4
MF 15 x 1,5	15,0	12,0	100	22	9,0	13,50	1201#04001634	1201#04021634
MF 16 x 1,0	16,0	12,0	100	22	9,0	15,00	1201#040018Q4	1201#040218Q4
MF 16 x 1,25	16,0	12,0	100	22	9,0	14,80	1201#040018S4	1201#040218S4
MF 16 x 1,5	16,0	12,0	100	22	9,0	14,50	1201#040018V4	1201#040218V4
MF 18 x 1,0	18,0	14,0	110	25	11,0	17,00	1201#04001EA4	1201#04021EA4
MF 18 x 1,25	18,0	14,0	110	25	11,0	16,80	1201#04001EC4	1201#04021EC4

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 374

Maschi a Macchina per uso generale



fori passanti fino a 4 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale



materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC



4-5 filetti

raffreddare e lubrificare

DIN 374



Maschi a Macchina per uso generale Passo sinistro



fori passanti fino a 4 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale



materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC



4-5 filetti

raffreddare e lubrificare

DIN 374

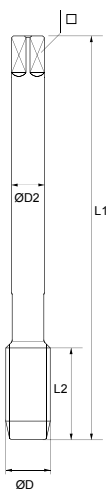

MF

	D1	D2	L1	L2	□	🔩	No.	No.
MF 18 x 1,5	18,0	14,0	110	25	11,0	16,50	1201#04001EF4	1201#04021EF4
MF 18 x 2,0	18,0	14,0	125	34	11,0	16,00	1201#04001EK4	1201#04021EK4
MF 20 x 1,0	20,0	16,0	125	25	12,0	19,00	1201#04001JU4	1201#04021JU4
MF 20 x 1,25	20,0	16,0	125	25	12,0	18,80	1201#04001JW4	1201#04021JW4
MF 20 x 1,5	20,0	16,0	125	25	12,0	18,50	1201#04001JZ4	1201#04021JZ4
MF 20 x 2,0	20,0	16,0	140	34	12,0	18,00	1201#04001K44	1201#04021K44
MF 21 x 1,5	21,0	16,0	125	25	12,0	19,50	1201#04001MR4	1201#04021MR4
MF 22 x 1,0	22,0	18,0	125	25	14,5	21,00	1201#04001PE4	1201#04021PE4
MF 22 x 1,25	22,0	18,0	125	25	14,5	20,80	1201#04001PG4	1201#04021PG4
MF 22 x 1,5	22,0	18,0	125	25	14,5	20,50	1201#04001PJ4	1201#04021PJ4
MF 22 x 2,0	22,0	18,0	140	34	14,5	20,00	1201#04001P04	1201#04021P04
MF 23 x 1,5	23,0	18,0	125	25	14,5	21,50	1201#04001SB4	1201#04021SB4
MF 24 x 1,0	24,0	18,0	140	28	14,5	23,00	1201#04001UY4	1201#04021UY4
MF 24 x 1,25	24,0	18,0	140	28	14,5	23,80	1201#04001V04	1201#04021V04
MF 24 x 1,5	24,0	18,0	140	28	14,5	22,50	1201#04001V34	1201#04021V34
MF 24 x 2,0	24,0	18,0	140	28	14,5	22,00	1201#04001V84	1201#04021V84
MF 25 x 1,0	25,0	18,0	140	28	14,5	24,00	1201#04001X04	1201#04021X04
MF 25 x 1,5	25,0	18,0	140	28	14,5	23,50	1201#04001XV4	1201#04021XV4
MF 26 x 1,0	26,0	18,0	140	28	14,5	25,00	1201#040020I4	1201#040220I4
MF 26 x 1,5	26,0	18,0	140	28	14,5	24,50	1201#040020N4	1201#040220N4
MF 26 x 2,0	26,0	18,0	140	28	14,5	24,00	1201#040020S4	1201#040220S4
MF 27 x 1,0	27,0	20,0	140	28	16,0	26,00	1201#040023A4	1201#040223A4
MF 27 x 1,5	27,0	20,0	140	28	16,0	25,50	1201#040023F4	1201#040223F4
MF 27 x 2,0	27,0	20,0	140	28	16,0	25,00	1201#040023K4	1201#040223K4
MF 28 x 1,0	28,0	20,0	140	28	16,0	27,00	1201#04002624	1201#04022624
MF 28 x 1,5	28,0	20,0	140	28	16,0	26,50	1201#04002674	1201#04022674
MF 28 x 2,0	28,0	20,0	140	28	16,0	26,00	1201#040026C4	1201#040226C4
MF 29 x 1,5	29,0	22,0	150	28	18,0	27,50	1201#040028Z4	1201#040228Z4
MF 30 x 1,0	30,0	22,0	150	28	18,0	29,00	1201#04002BM4	1201#04022BM4
MF 30 x 1,5	30,0	22,0	150	28	18,0	28,50	1201#04002BR4	1201#04022BR4
MF 30 x 2,0	30,0	22,0	150	28	18,0	28,00	1201#04002BW4	1201#04022BW4
MF 30 x 2,5	30,0	22,0	180	45	18,0	27,50	1201#04002C14	1201#04022C14
MF 30 x 3,0	30,0	22,0	180	45	18,0	27,00	1201#04002C64	1201#04022C64
MF 32 x 1,5	32,0	22,0	150	28	18,0	30,50	1201#04002HB4	1201#04022HB4
MF 32 x 2,0	32,0	22,0	150	28	18,0	30,00	1201#04002HG4	1201#04022HG4

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 374

Maschi a Macchina per uso generale



fori passanti fino a 4 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale



materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC

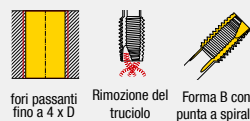


4-5 filetti raffreddare e lubrificare

DIN 374



Maschi a Macchina per uso generale Passo sinistro



fori passanti fino a 4 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale



materiale: HSSE ISO2/6H a 900 N/mm² 27,1 HRC



4-5 filetti raffreddare e lubrificare

DIN 374



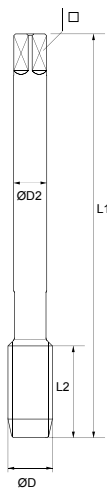
MF

	D1	D2	L1	L2	□	🔩	No.	No.
MF 32 x 3,0	32,0	22,0	180	50	18,0	29,00	1201#04002HQ4	1201#04022HQ4
MF 33 x 1,5	33,0	25,0	160	30	20,0	31,50	1201#04002K34	1201#04022K34
MF 33 x 2,0	33,0	25,0	160	30	20,0	31,00	1201#04002K84	1201#04022K84
MF 33 x 3,0	33,0	25,0	180	50	20,0	30,00	1201#04002KI4	1201#04022KI4
MF 34 x 1,5	34,0	28,0	170	30	22,0	32,50	1201#04002MV4	1201#04022MV4
MF 34 x 2,0	34,0	28,0	170	30	22,0	32,00	1201#04002N04	1201#04022N04
MF 35 x 1,5	35,0	28,0	170	30	22,0	33,50	1201#04002PN4	1201#04022PN4
MF 36 x 1,5	36,0	28,0	170	30	22,0	34,50	1201#04002SF4	1201#04022SF4
MF 36 x 2,0	36,0	28,0	170	30	22,0	34,00	1201#04002SK4	1201#04022SK4
MF 36 x 3,0	36,0	28,0	200	56	22,0	33,00	1201#04002SU4	1201#04022SU4
MF 38 x 1,5	38,0	28,0	170	30	22,0	36,50	1201#04002XZ4	1201#04022XZ4
MF 39 x 1,5	39,0	32,0	170	30	24,0	37,50	1201#040030R4	1201#040230R4
MF 39 x 2,0	39,0	32,0	170	30	24,0	37,00	1201#040030W4	1201#040230W4
MF 39 x 3,0	39,0	32,0	200	60	24,0	36,00	1201#04003164	1201#04023164
MF 40 x 1,5	40,0	32,0	170	30	24,0	38,50	1201#040033J4	1201#040233J4
MF 40 x 2,0	40,0	32,0	170	30	24,0	38,00	1201#04003304	1201#04023304
MF 40 x 3,0	40,0	32,0	200	60	24,0	37,00	1201#040033Y4	1201#040233Y4
MF 42 x 1,5	42,0	32,0	170	30	24,0	40,50	1201#04003934	1201#04023934
MF 42 x 2,0	42,0	32,0	170	30	24,0	40,00	1201#04003984	1201#04023984
MF 42 x 3,0	42,0	32,0	200	60	24,0	39,00	1201#040039I4	1201#040239I4
MF 45 x 1,5	45,0	36,0	180	32	29,0	43,50	1201#04003HF4	1201#04023HF4
MF 45 x 2,0	45,0	36,0	180	32	29,0	43,00	1201#04003HK4	1201#04023HK4
MF 45 x 3,0	45,0	36,0	200	50	29,0	42,00	1201#04003HU4	1201#04023HU4
MF 48 x 1,5	48,0	36,0	190	32	29,0	46,50	1201#04003PR4	1201#04023PR4
MF 48 x 2,0	48,0	36,0	190	32	29,0	46,00	1201#04003PW4	1201#04023PW4
MF 48 x 3,0	48,0	36,0	225	50	29,0	45,00	1201#04003Q64	1201#04023Q64
MF 50 x 1,5	50,0	36,0	190	32	29,0	48,50	1201#04003VB4	1201#04023VB4
MF 50 x 2,0	50,0	36,0	190	32	29,0	48,00	1201#04003VG4	1201#04023VG4
MF 50 x 3,0	50,0	36,0	225	50	29,0	47,00	1201#04003VQ4	1201#04023VQ4
MF 52 x 1,5	52,0	40,0	190	32	32,0	50,50	1201#040040V4	1201#040240V4
MF 52 x 2,0	52,0	40,0	190	32	32,0	50,00	1201#04004104	1201#04024104
MF 52 x 3,0	52,0	40,0	225	50	32,0	49,00	1201#040041A4	1201#040241A4
MF 63 x 1,5	63,0	50,0	275	50	39,0	61,50	1201#04004VF4	

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 374

Maschi a Macchina per acciai altamente legati

fori passanti fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

materiale: HSSE TIN

TOL ISO2/6H

N/mm² HRC a 1300 N/mm² 41 HRC

4-5 filetti

raffreddare e lubrificare

DIN 374



Maschi a Macchina per acciai inossidabili

fori passanti fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

materiale: HSSE TiAlN

TOL ISO2/6H

N/mm² HRC a 1300 N/mm² 41 HRC

4-5 filetti

raffreddare e lubrificare

DIN 374



Maschi a Macchina per alluminio

fori passanti fino a 3 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

materiale: HSSE TIN

TOL ISO2/6H

N/mm² HRC a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare

DIN 374



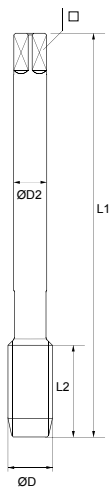
MF

	D1	D2	L1	L2	□	🔩	No.	No.	No.
MF 6 x 0,75	6,0	4,5	80	14	3,4	5,20	1201#04040GV4	1201#04050GV4	1201#04070GV4
MF 8 x 1,0	8,0	6,0	90	22	4,9	7,00	1201#04040MI4	1201#04050MI4	1201#04070MI4
MF 10 x 1,0	10,0	7,0	90	20	5,5	9,00	1201#04040S24	1201#04050S24	1201#04070S24
MF 10 x 1,25	10,0	7,0	100	24	5,5	8,80	1201#04040S44	1201#04050S44	1201#04070S44
MF 12 x 1,0	12,0	9,0	100	22	7,0	11,00	1201#04040XM4	1201#04050XM4	1201#04070XM4
MF 12 x 1,25	12,0	9,0	100	22	7,0	10,80	1201#04040X04	1201#04050X04	1201#04070X04
MF 12 x 1,5	12,0	9,0	100	22	7,0	10,50	1201#04040XR4	1201#04050XR4	1201#04070XR4
MF 14 x 1,25	14,0	11,0	100	22	9,0	12,80	1201#04041384	1201#04051384	1201#04071384
MF 14 x 1,5	14,0	11,0	100	22	9,0	12,50	1201#040413B4	1201#040513B4	1201#040713B4
MF 16 x 1,5	16,0	12,0	100	22	9,0	14,50	1201#040418V4	1201#040518V4	1201#040718V4
MF 18 x 1,5	18,0	14,0	110	25	11,0	16,50	1201#04041EF4	1201#04051EF4	1201#04071EF4
MF 20 x 1,5	20,0	16,0	125	25	12,0	18,50	1201#04041JZ4	1201#04051JZ4	1201#04071JZ4

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Gambo: DIN 374

Maschi a Macchina per leghe speciali (Inconel, Hastelloy ecc.)

fori passanti fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

materiale: HSSE-PM TiAlN

TOL ISO2/6H

N/mm² HRC a 1200 N/mm² 38 HRC

4-5 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina a lunga durata

fori passanti fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

materiale: HSSE TIN

TOL ISO2/6H

N/mm² HRC a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina per uso generale maggiorato (diametro)

fori passanti fino a 3 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

materiale: HSSE

TOL ISO3/6G

N/mm² HRC a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare

DIN 374

MF

D1 D2 L1 L2 □

No.

No.

No.

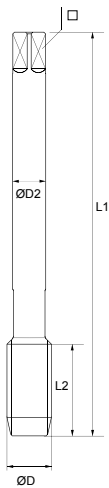
Tol. 6G: filettatura ampia tolleranza

MF 6 x 0,75	6,0	4,5	80	14	3,4	5,20			1201#04250GV4	1201#04170GV4
MF 8 x 1,0	8,0	6,0	90	22	4,9	7,00	1201#04120MI4		1201#04250MI4	1201#04170MI4
MF 10 x 1,0	10,0	7,0	90	20	5,5	9,00	1201#04120S24		1201#04250S24	1201#04170S24
MF 10 x 1,25	10,0	7,0	100	24	5,5	8,80	1201#04120S44		1201#04250S44	1201#04170S44
MF 12 x 1,0	12,0	9,0	100	22	7,0	11,00	1201#04120XM4		1201#04250XM4	
MF 12 x 1,25	12,0	9,0	100	22	7,0	10,80	1201#04120X04		1201#04250X04	
MF 12 x 1,5	12,0	9,0	100	22	7,0	10,50	1201#04120XR4		1201#04250XR4	1201#04170XR4
MF 14 x 1,25	14,0	11,0	100	22	9,0	12,80			1201#04251384	
MF 14 x 1,5	14,0	11,0	100	22	9,0	12,50	1201#041213B4		1201#042513B4	1201#041713B4
MF 16 x 1,5	16,0	12,0	100	22	9,0	14,50	1201#041218V4		1201#042518V4	
MF 18 x 1,5	18,0	14,0	110	25	11,0	16,50	1201#04121EF4		1201#04251EF4	
MF 20 x 1,5	20,0	16,0	125	25	12,0	18,50	1201#04121JZ4		1201#04251JZ4	

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti e ciechi
- ✓ Lo smusso corto di entrata rende questo maschio di applicazione universale. Le scanalature possono contenere la maggior parte dei trucioli



Gambo: DIN 374

Maschi a Macchina per uso generale

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature drette

TOL **N/mm² HRC**

materiale: HSSE a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina per uso generale Passo sinistro

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature drette

TOL **N/mm² HRC**

materiale: HSSE a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina a lunga durata

fori passanti & fori ciechi fino a 1,5 x D

Rimozione del truciolo (v.figura)

Forma C scanalature drette

TOL **N/mm² HRC**

materiale: HSSE TIN a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

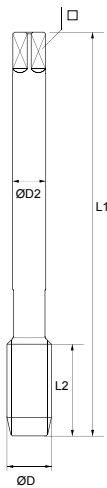
MF

	D1	D2	L1	L2	□	🔩	No.	No.	No.
MF 4 x 0,35	4,0	2,8	63	10	2,1	3,65	1201#05000B74		
MF 5 x 0,5	5,0	3,5	70	12	2,7	4,50	1201#05000E14		
MF 6 x 0,5	6,0	4,5	80	14	3,4	5,50			1201#05040GT4
MF 6 x 0,75	6,0	4,5	80	14	3,4	5,20	1201#05000GV4	1201#05020GV4	1201#05040GV4
MF 7 x 0,75	7,0	5,5	80	14	4,3	6,20			1201#05040JN4
MF 8 x 0,75	8,0	6,0	80	19	4,9	7,20	1201#05000MF4		
MF 8 x 1,0	8,0	6,0	90	22	4,9	7,00	1201#05000MI4	1201#05020MI4	1201#05040MI4
MF 10 x 0,5	10,0	7,0	90	20	5,5	9,50			1201#05040RX4
MF 10 x 1,0	10,0	7,0	90	20	5,5	9,00	1201#05000S24	1201#05020S24	1201#05040S24
MF 10 x 1,25	10,0	7,0	100	24	5,5	8,80	1201#05000S44	1201#05020S44	1201#05040S44
MF 12 x 0,75	12,0	9,0	100	22	7,0	10,20			1201#05040XJ4
MF 12 x 1,0	12,0	9,0	100	22	7,0	11,00	1201#05000XM4		1201#05040XM4
MF 12 x 1,25	12,0	9,0	100	22	7,0	10,80	1201#05000X04	1201#05020X04	1201#05040X04
MF 12 x 1,5	12,0	9,0	100	22	7,0	10,50	1201#05000XR4	1201#05020XR4	1201#05040XR4
MF 14 x 1,0	14,0	11,0	100	22	9,0	13,00	1201#05001364		1201#05041364
MF 14 x 1,25	14,0	11,0	100	22	9,0	12,80	1201#05001384		1201#05041384
MF 14 x 1,5	14,0	11,0	100	22	9,0	12,50	1201#050013B4	1201#050213B4	1201#050413B4
MF 16 x 1,0	16,0	12,0	100	22	9,0	15,00	1201#050018Q4		1201#050418Q4
MF 16 x 1,25	16,0	12,0	100	22	9,0	14,80			1201#050418S4
MF 16 x 1,5	16,0	12,0	100	22	9,0	14,50	1201#050018V4	1201#050218V4	1201#050418V4
MF 18 x 1,0	18,0	14,0	110	25	11,0	17,00	1201#05001EA4		
MF 18 x 1,5	18,0	14,0	110	25	11,0	16,50	1201#05001EF4	1201#05021EF4	1201#05041EF4
MF 18 x 2,0	18,0	14,0	125	34	11,0	16,00	1201#05001EK4		
MF 20 x 1,0	20,0	16,0	125	25	12,0	19,00	1201#05001JU4		
MF 20 x 1,25	20,0	16,0	125	25	12,0	18,80	1201#05001JW4		
MF 20 x 1,5	20,0	16,0	125	25	12,0	18,50	1201#05001JZ4	1201#05021JZ4	1201#05041JZ4
MF 20 x 2,0	20,0	16,0	140	34	12,0	18,00	1201#05001K44		
MF 22 x 1,5	22,0	18,0	125	25	14,5	21,00	1201#05001PE4		
MF 22 x 1,0	22,0	18,0	125	25	14,5	20,50	1201#05001PJ4		1201#05041PJ4
MF 22 x 2,0	22,0	18,0	140	34	14,5	20,00	1201#05001P04		

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti e ciechi
- ✓ Lo smusso corto di entrata rende questo maschio di applicazione universale. Le scanalature possono contenere la maggior parte dei trucioli



Gambo: DIN 374

Maschi a Macchina per uso generale

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature drette

TOL **N/mm² HRC**

materiale: HSSE a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina per uso generale Passo sinistro

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature drette

TOL **N/mm² HRC**

materiale: HSSE a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina a lunga durata

fori passanti & fori ciechi fino a 1,5 x D

Rimozione del truciolo (v.figura)

Forma C scanalature drette

TOL **N/mm² HRC**

materiale: HSSE TIN a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

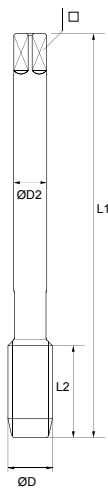
MF

	D1	D2	L1	L2	□	🔩	No.
MF 24 x 1,0	24,0	18,0	140	28	14,5	23,00	1201#05001UY4
MF 24 x 1,5	24,0	18,0	140	28	14,5	22,50	1201#05001V34
MF 24 x 2,0	24,0	18,0	140	28	14,5	22,00	1201#05001V84
MF 25 x 1,0	25,0	18,0	140	28	14,5	24,00	1201#05001XQ4
MF 26 x 1,5	26,0	18,0	140	28	14,5	24,50	1201#05002ON4
MF 27 x 1,5	27,0	20,0	140	28	16,0	25,50	1201#050023F4
MF 27 x 2,0	27,0	20,0	140	28	16,0	25,00	1201#050023K4
MF 28 x 1,5	28,0	20,0	140	28	16,0	26,50	1201#05002674
MF 30 x 1,5	30,0	22,0	150	28	18,0	28,50	1201#05002BR4
MF 30 x 2,0	30,0	22,0	150	28	18,0	28,00	1201#05002BW4
MF 32 x 1,5	32,0	22,0	150	28	18,0	30,50	1201#05002HB4
MF 32 x 2,0	32,0	22,0	150	28	18,0	30,00	1201#05002HG4
MF 33 x 2,0	33,0	25,0	160	30	20,0	31,00	1201#05002K84
MF 35 x 1,5	35,0	28,0	170	30	22,0	33,50	1201#05002PN4
MF 36 x 1,5	36,0	28,0	170	30	22,0	34,50	1201#05002SF4
MF 36 x 2,0	36,0	28,0	170	30	22,0	34,00	1201#05002SK4
MF 38 x 1,5	38,0	28,0	170	30	22,0	36,50	1201#05002XZ4
MF 40 x 1,5	40,0	32,0	170	30	24,0	38,50	1201#050033J4
MF 42 x 1,5	42,0	32,0	170	30	24,0	40,50	1201#05003934
MF 45 x 1,5	45,0	36,0	180	32	29,0	43,50	1201#05003HF4
MF 48 x 1,5	48,0	36,0	190	32	29,0	46,50	1201#05003PR4
MF 50 x 1,5	50,0	36,0	190	32	29,0	48,50	1201#05003VB4
MF 52 x 1,5	52,0	40,0	190	32	32,0	50,50	1201#050040V4

MF

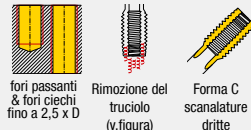
Filettatura Metrica fine / ISO DIN 13

- ✓ Maschi a macchina per fori passanti e ciechi
- ✓ Lo smusso corto di entrata rende questo maschio di applicazione universale. Le scanalature possono contenere la maggior parte dei trucioli



Gambo: DIN 374

Maschi a Macchina per materiali da fusione



fori passanti & fori ciechi fino a 2,5 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
ISO2/6H

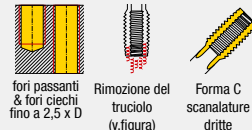
N/mm² HRC
fino a 1000 N/mm² 32 HRC



DIN 374



Maschi a Macchina per ottone (truciolo-corto)



fori passanti & fori ciechi fino a 2,5 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL
ISO2/6H

N/mm² HRC
fino a 1000 N/mm² 32 HRC



DIN 374



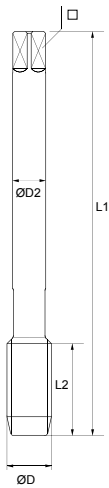
MF

	D1	D2	L1	L2	□	🔩	No.	No.
MF 4 x 0,5	4,0	2,8	63	10	2,1	3,50	1201#05100B94	1201#05090B94
MF 5 x 0,5	5,0	3,5	70	12	2,7	4,50	1201#05100E14	1201#05090E14
MF 6 x 0,75	6,0	4,5	80	14	3,4	5,20	1201#05100GV4	1201#05090GV4
MF 8 x 1,0	8,0	6,0	90	22	4,9	7,00	1201#05100MI4	1201#05090MI4
MF 10 x 1,0	10,0	7,0	90	20	5,5	9,00	1201#05100S24	1201#05090S24
MF 10 x 1,25	10,0	7,0	100	24	5,5	8,80	1201#05100S44	1201#05090S44
MF 12 x 1,25	12,0	9,0	100	22	7,0	10,80	1201#05100X04	1201#05090X04
MF 12 x 1,5	12,0	9,0	100	22	7,0	10,50	1201#05100XR4	1201#05090XR4
MF 14 x 1,25	14,0	11,0	100	22	9,0	12,80	1201#05101384	1201#05091384
MF 14 x 1,5	14,0	11,0	100	22	9,0	12,50	1201#051013B4	1201#050913B4
MF 16 x 1,5	16,0	12,0	100	22	9,0	14,50	1201#051018V4	1201#050918V4
MF 18 x 1,5	18,0	14,0	110	25	11,0	16,50	1201#05101EF4	1201#05091EF4
MF 20 x 1,5	20,0	16,0	125	25	12,0	18,50	1201#05101JZ4	1201#05091JZ4

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Gambo: DIN 374

Maschi a Macchina per uso generale

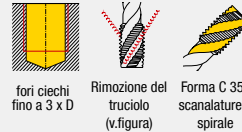


fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale

materiale: HSSE
ISO2/6H
a 900 N/mm² 27,1 HRC



Maschi a Macchina per uso generale Passo sinistro



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale

materiale: HSSE
ISO2/6H
a 900 N/mm² 27,1 HRC



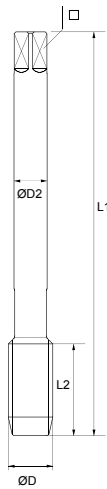
MF

	D1	D2	L1	L2			No.	No.
MF 3 x 0,35	3,0	2,2	56	5	-	2,65	1201#060008F4	1201#060208F4
MF 4 x 0,35	4,0	2,8	63	5	2,1	3,65	1201#06000B74	1201#06020B74
MF 4 x 0,5	4,0	2,8	63	5	2,1	3,50	1201#06000B94	1201#06020B94
MF 5 x 0,5	5,0	3,5	70	5	2,7	4,50	1201#06000E14	1201#06020E14
MF 5 x 0,75	5,0	3,5	70	8	2,7	4,25	1201#06000E34	1201#06020E34
MF 6 x 0,5	6,0	4,5	80	5	3,4	5,50	1201#06000GT4	1201#06020GT4
MF 6 x 0,75	6,0	4,5	80	8	3,4	5,20	1201#06000GV4	1201#06020GV4
MF 7 x 0,75	7,0	5,5	80	8	4,3	6,20	1201#06000JN4	1201#06020JN4
MF 8 x 0,5	8,0	6,0	80	8	4,9	7,50	1201#06000MD4	1201#06020MD4
MF 8 x 0,75	8,0	6,0	80	8	4,9	7,20	1201#06000MF4	1201#06020MF4
MF 8 x 1,0	8,0	6,0	90	10	4,9	7,00	1201#06000MI4	1201#06020MI4
MF 9 x 0,75	9,0	7,0	80	10	5,5	8,25	1201#06000P74	1201#06020P74
MF 9 x 1,0	9,0	7,0	90	10	5,5	8,00	1201#06000PA4	1201#06020PA4
MF 10 x 0,75	10,0	7,0	90	10	5,5	9,20	1201#06000RZ4	1201#06020RZ4
MF 10 x 1,0	10,0	7,0	90	10	5,5	9,00	1201#06000S24	1201#06020S24
MF 10 x 1,25	10,0	7,0	100	16	5,5	8,80	1201#06000S44	1201#06020S44
MF 11 x 1,0	11,0	8,0	90	11	6,2	10,00	1201#06000UU4	1201#06020UU4
MF 11 x 1,25	11,0	8,0	90	14	6,2	10,80	1201#06000UW4	1201#06020UW4
MF 12 x 0,75	12,0	9,0	100	10	7,0	10,20	1201#06000XJ4	1201#06020XJ4
MF 12 x 1,0	12,0	9,0	100	11	7,0	11,00	1201#06000XM4	1201#06020XM4
MF 12 x 1,25	12,0	9,0	100	15	7,0	10,80	1201#06000XO4	1201#06020XO4
MF 12 x 1,5	12,0	9,0	100	15	7,0	10,50	1201#06000XR4	1201#06020XR4
MF 13 x 1,0	13,0	11,0	100	11	9,0	12,00	1201#060010E4	1201#060210E4
MF 13 x 1,5	13,0	11,0	100	15	9,0	11,50	1201#060010J4	1201#060210J4
MF 14 x 0,75	14,0	11,0	100	10	9,0	13,20	1201#06001334	1201#06021334
MF 14 x 1,0	14,0	11,0	100	11	9,0	13,00	1201#06001364	1201#06021364
MF 14 x 1,25	14,0	11,0	100	15	9,0	12,80	1201#06001384	1201#06021384
MF 14 x 1,5	14,0	11,0	100	15	9,0	12,50	1201#060013B4	1201#060213B4
MF 15 x 1,0	15,0	12,0	100	12	9,0	14,00	1201#060015Y4	1201#060215Y4
MF 15 x 1,5	15,0	12,0	100	15	9,0	13,50	1201#06001634	1201#06021634
MF 16 x 1,0	16,0	12,0	100	12	9,0	15,00	1201#060018Q4	1201#060218Q4
MF 16 x 1,25	16,0	12,0	100	15	9,0	14,80	1201#060018S4	1201#060218S4
MF 16 x 1,5	16,0	12,0	100	15	9,0	14,50	1201#060018V4	1201#060218V4
MF 18 x 1,0	18,0	14,0	110	13	11,0	17,00	1201#06001EA4	1201#06021EA4
MF 18 x 1,25	18,0	14,0	110	15	11,0	16,80	1201#06001EC4	1201#06021EC4

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Gambo: DIN 374

Maschi a Macchina per uso generale



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale

materiale: HSSE
ISO2/6H
a 900 N/mm² 27,1 HRC



Maschi a Macchina per uso generale Passo sinistro



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale

materiale: HSSE
ISO2/6H
a 900 N/mm² 27,1 HRC



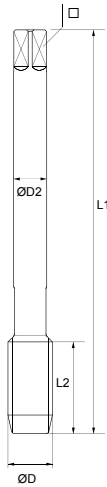
MF

	D1	D2	L1	L2	□	🔩	No.	No.
MF 18 x 1,5	18,0	14,0	110	17	11,0	16,50	1201#06001EF4	1201#06021EF4
MF 18 x 2,0	18,0	14,0	125	20	11,0	16,00	1201#06001EK4	1201#06021EK4
MF 20 x 1,0	20,0	16,0	125	14	12,0	19,00	1201#06001JU4	1201#06021JU4
MF 20 x 1,25	20,0	16,0	125	17	12,0	18,80	1201#06001JW4	1201#06021JW4
MF 20 x 1,5	20,0	16,0	125	17	12,0	18,50	1201#06001JZ4	1201#06021JZ4
MF 20 x 2,0	20,0	16,0	140	20	12,0	18,00	1201#06001K44	1201#06021K44
MF 21 x 1,5	21,0	16,0	125	17	12,0	19,50	1201#06001MR4	1201#06021MR4
MF 22 x 1,0	22,0	18,0	125	14	14,5	21,00	1201#06001PE4	1201#06021PE4
MF 22 x 1,25	22,0	18,0	125	17	14,5	20,80	1201#06001PG4	1201#06021PG4
MF 22 x 1,5	22,0	18,0	125	17	14,5	20,50	1201#06001PJ4	1201#06021PJ4
MF 22 x 2,0	22,0	18,0	140	20	14,5	20,00	1201#06001PO4	1201#06021PO4
MF 23 x 1,5	23,0	18,0	125	17	14,5	21,50	1201#06001SB4	1201#06021SB4
MF 24 x 1,0	24,0	18,0	140	15	14,5	23,00	1201#06001UY4	1201#06021UY4
MF 24 x 1,25	24,0	18,0	140	17	14,5	23,80	1201#06001V04	1201#06021V04
MF 24 x 1,5	24,0	18,0	140	20	14,5	22,50	1201#06001V34	1201#06021V34
MF 24 x 2,0	24,0	18,0	140	20	14,5	22,00	1201#06001V84	1201#06021V84
MF 25 x 1,0	25,0	18,0	140	15	14,5	24,00	1201#06001XQ4	1201#06021XQ4
MF 25 x 1,5	25,0	18,0	140	20	14,5	23,50	1201#06001XV4	1201#06021XV4
MF 26 x 1,0	26,0	18,0	140	15	14,5	25,00	1201#060020I4	1201#060220I4
MF 26 x 1,5	26,0	18,0	140	20	14,5	24,50	1201#060020N4	1201#060220N4
MF 26 x 2,0	26,0	18,0	140	20	14,5	24,00	1201#060020S4	1201#060220S4
MF 27 x 1,0	27,0	20,0	140	15	16,0	26,00	1201#060023A4	1201#060223A4
MF 27 x 1,5	27,0	20,0	140	20	16,0	25,50	1201#060023F4	1201#060223F4
MF 27 x 2,0	27,0	20,0	140	20	16,0	25,00	1201#060023K4	1201#060223K4
MF 28 x 1,0	28,0	20,0	140	15	16,0	27,00	1201#06002624	1201#06022624
MF 28 x 1,5	28,0	20,0	140	20	16,0	26,50	1201#06002674	1201#06022674
MF 28 x 2,0	28,0	20,0	140	20	16,0	26,00	1201#060026C4	1201#060226C4
MF 29 x 1,5	29,0	22,0	150	22	18,0	27,50	1201#060028Z4	1201#060228Z4
MF 30 x 1,0	30,0	22,0	150	17	18,0	29,00	1201#06002BM4	1201#06022BM4
MF 30 x 1,5	30,0	22,0	150	22	18,0	28,50	1201#06002BR4	1201#06022BR4
MF 30 x 2,0	30,0	22,0	150	22	18,0	28,00	1201#06002BW4	1201#06022BW4
MF 30 x 2,5	30,0	22,0	180	27	18,0	27,50	1201#06002C14	1201#06022C14
MF 30 x 3,0	30,0	22,0	180	30	18,0	27,00	1201#06002C64	1201#06022C64
MF 32 x 1,5	32,0	22,0	150	22	18,0	30,50	1201#06002HB4	1201#06022HB4
MF 32 x 2,0	32,0	22,0	150	22	18,0	30,00	1201#06002HG4	1201#06022HG4

MF

Filettatura Metrica fine / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Gambo: DIN 374

Maschi a Macchina per uso generale



fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale



Maschi a Macchina per uso generale Passo sinistro



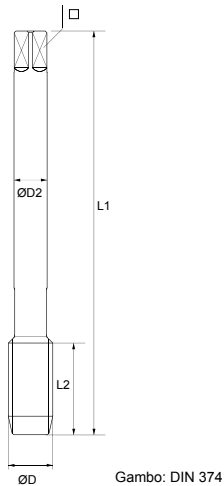
fori ciechi fino a 3 x D
Rimozione del truciolo (v.figura)
Forma C 35° scanalature a spirale


MF

	D1	D2	L1	L2	□	🔩	No.	No.
MF 32 x 3,0	32,0	22,0	180	30	18,0	29,00	1201#06002HQ4	1201#06022HQ4
MF 33 x 1,5	33,0	25,0	160	24	20,0	31,50	1201#06002K34	1201#06022K34
MF 33 x 2,0	33,0	25,0	160	24	20,0	31,00	1201#06002K84	1201#06022K84
MF 33 x 3,0	33,0	25,0	180	30	20,0	30,00	1201#06002K14	1201#06022K14
MF 34 x 1,5	34,0	28,0	170	24	22,0	32,50	1201#06002MV4	1201#06022MV4
MF 34 x 2,0	34,0	28,0	170	24	22,0	32,00	1201#06002N04	1201#06022N04
MF 35 x 1,5	35,0	28,0	170	24	22,0	33,50	1201#06002PN4	1201#06022PN4
MF 36 x 1,5	36,0	28,0	170	24	22,0	34,50	1201#06002SF4	1201#06022SF4
MF 36 x 2,0	36,0	28,0	170	24	22,0	34,00	1201#06002SK4	1201#06022SK4
MF 36 x 3,0	36,0	28,0	200	30	22,0	33,00	1201#06002SU4	1201#06022SU4
MF 38 x 1,5	38,0	28,0	170	24	22,0	36,50	1201#06002XZ4	1201#06022XZ4
MF 39 x 1,5	39,0	32,0	170	25	24,0	37,50	1201#060030R4	1201#060230R4
MF 39 x 2,0	39,0	32,0	170	25	24,0	37,00	1201#060030W4	1201#060230W4
MF 39 x 3,0	39,0	32,0	200	30	24,0	36,00	1201#06003164	1201#06023164
MF 40 x 1,5	40,0	32,0	170	25	24,0	38,50	1201#060033J4	1201#060233J4
MF 40 x 2,0	40,0	32,0	170	25	24,0	38,00	1201#06003304	1201#06023304
MF 40 x 3,0	40,0	32,0	200	30	24,0	37,00	1201#060033Y4	1201#060233Y4
MF 42 x 1,5	42,0	32,0	170	25	24,0	40,50	1201#06003934	1201#06023934
MF 42 x 2,0	42,0	32,0	170	25	24,0	40,00	1201#06003984	1201#06023984
MF 42 x 3,0	42,0	32,0	200	30	24,0	39,00	1201#06003914	1201#06023914
MF 45 x 1,5	45,0	36,0	180	27	29,0	43,50	1201#06003HF4	1201#06023HF4
MF 45 x 2,0	45,0	36,0	180	27	29,0	43,00	1201#06003HK4	1201#06023HK4
MF 45 x 3,0	45,0	36,0	200	30	29,0	42,00	1201#06003HU4	1201#06023HU4
MF 48 x 1,5	48,0	36,0	190	27	29,0	46,50	1201#06003PR4	1201#06023PR4
MF 48 x 2,0	48,0	36,0	190	27	29,0	46,00	1201#06003PW4	1201#06023PW4
MF 48 x 3,0	48,0	36,0	225	33	29,0	45,00	1201#06003Q64	1201#06023Q64
MF 50 x 1,5	50,0	36,0	190	27	29,0	48,50	1201#06003VB4	1201#06023VB4
MF 50 x 2,0	50,0	36,0	190	27	29,0	48,00	1201#06003VG4	1201#06023VG4
MF 50 x 3,0	50,0	36,0	225	33	29,0	47,00	1201#06003VQ4	1201#06023VQ4
MF 52 x 1,5	52,0	40,0	190	27	32,0	50,50	1201#060040V4	1201#060240V4
MF 52 x 2,0	52,0	40,0	190	27	32,0	50,00	1201#06004104	1201#06024104
MF 52 x 3,0	52,0	40,0	225	33	32,0	49,00	1201#060041A4	1201#060241A4
MF 63 x 1,5	63,0	50,0	275	40	39,0	61,50	1201#06004VF4	

MF Filettatura Metrica fine / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Maschi a Macchina per acciai altamente legati

fori ciechi fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma C 40° scanalature a spirale

TOL **N/mm² HRC**

materiale: HSSE TIN

ISO2/6H

a 1300 N/mm² 41 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina PRO per acciai inossidabili (lunga durata)

fori ciechi fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale

TOL **N/mm² HRC**

materiale: HSSE TiAlN

ISO2/6H

a 1300 N/mm² 41 HRC

2-3 filetti

raffreddare e lubrificare

DIN 374

Maschi a Macchina per leghe speciali (Inconel, Hastelloy ecc.)

fori ciechi fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma C 45° scanalature a spirale

TOL **N/mm² HRC**

materiale: HSSE TIN

ISO2/6H

a 1200 N/mm² 41 HRC

2-3 filetti

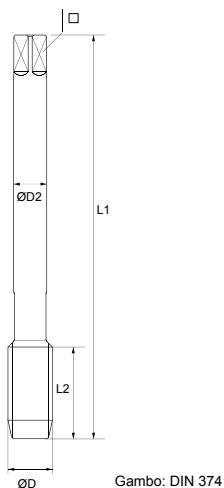
raffreddare e lubrificare

DIN 374

MF	D1	D2	L1	L2	□	🔩	No.	No.	No.
MF 6 x 0,75	6,0	4,5	80	8	3,4	5,20	1201#06040GV4	1201#06050GV4	
MF 8 x 1,0	8,0	6,0	90	10	4,9	7,00	1201#06040MI4	1201#06050MI4	1201#06120MI4
MF 10 x 1,0	10,0	7,0	90	10	5,5	9,00	1201#06040S24	1201#06050S24	1201#06120S24
MF 10 x 1,25	10,0	7,0	100	16	5,5	8,80	1201#06040S44	1201#06050S44	1201#06120S44
MF 12 x 1,0	12,0	9,0	100	11	7,0	11,00	1201#06040XM4	1201#06050XM4	1201#06120XM4
MF 12 x 1,25	12,0	9,0	100	15	7,0	10,80	1201#06040XO4	1201#06050XO4	1201#06120XO4
MF 12 x 1,5	12,0	9,0	100	15	7,0	10,50	1201#06040XR4	1201#06050XR4	1201#06120XR4
MF 14 x 1,5	14,0	11,0	100	15	9,0	12,50	1201#060413B4	1201#060513B4	1201#061213B4
MF 16 x 1,5	16,0	12,0	100	15	9,0	14,50	1201#060418V4	1201#060518V4	1201#061218V4
MF 18 x 1,5	18,0	14,0	110	17	11,0	16,50	1201#06041EF4	1201#06051EF4	1201#06121EF4
MF 20 x 1,5	20,0	16,0	125	17	12,0	18,50	1201#06041JZ4	1201#06051JZ4	1201#06121JZ4
MF 22 x 1,5	22,0	18,0	125	17	14,5	20,50	1201#06041PJ4	1201#06051PJ4	

MF Filettatura Metrica fine / ISO DIN 13

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Maschi a Macchina per uso generale maggiorato (diametro)




materiale: **HSSE TIN**
ISO3/6H
TOL
a 900 N/mm² 27,1 HRC



MF

D1 D2 L1 L2  **No.**

Tol. 6G:
filettatura ampia tolleranza

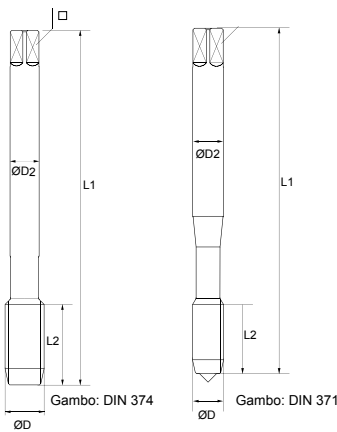
MF	D1	D2	L1	L2	<input type="checkbox"/>		No.
MF 6 x 0,75	6,0	4,5	80	8	3,4	5,20	1201#06170GV4
MF 8 x 1,0	8,0	6,0	90	10	4,9	7,00	1201#06170MI4
MF 10 x 1,0	10,0	7,0	90	10	5,5	9,00	1201#06170S24
MF 10 x 1,25	10,0	7,0	100	16	5,5	8,80	1201#06170S44
MF 12 x 1,5	12,0	9,0	100	15	7,0	10,50	1201#06170XR4
MF 14 x 1,5	14,0	11,0	100	15	9,0	12,50	1201#061713B4

MF

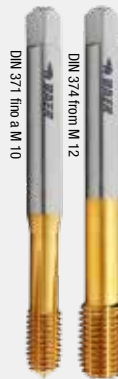
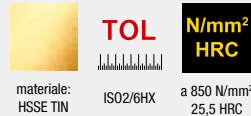
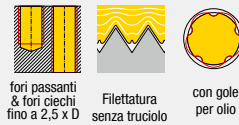
Filettatura Metrica fine / ISO DIN 13

I maschi a rullare hanno i seguenti vantaggi:

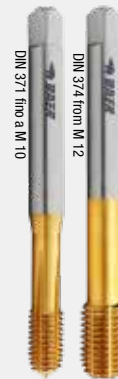
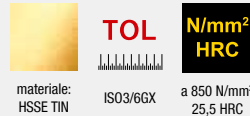
- Nessun truciolo
- Durata fino a 20 volte più lunga (comparata ad altri maschi)
- Stessa forma per fori ciechi e passanti
- Utilizzo su ampia gamma di materiali
- Impossibile intersezione della filettatura
- Elevata fedeltà
- Resistenza della filettatura incrementata
- Miglior qualità della superficie
- Velocità di lavorazione molto più alta



Maschi a Rullare per uso generale



Maschi a Rullare per uso generale maggiorato (diametro)



MF

D1 D2 L1 L2

No.

No.

	D1	D2	L1	L2	<input type="checkbox"/>		Tol. 6HX: standard	Tol. 6GX: filettatura ampia tolleranza
MF 3 x 0,35	3,0	3,5	56	10	2,7	2,85	1201#110008F1	1201#111708F1
MF 4 x 0,5	4,0	4,5	63	12	3,4	3,80	1201#11000B91	1201#11170B91
MF 5 x 0,5	5,0	6,0	70	14	4,9	4,80	1201#11000E11	1201#11170E11
MF 6 x 0,75	6,0	6,0	80	16	4,9	5,65	1201#11000GV1	1201#11170GV1
MF 8 x 1,0	8,0	8,0	90	18	6,2	7,55	1201#11000MI1	1201#11170MI1
MF 10 x 1,0	10,0	10,0	90	18	8,0	9,55	1201#11000S21	1201#11170S21
MF 10 x 1,25	10,0	10,0	100	20	8,0	9,45	1201#11000S41	1201#11170S41
MF 12 x 1,0	12,0	9,0	100	22	7,0	11,55	1201#11000XM4	1201#11170XM4
MF 12 x 1,25	12,0	9,0	100	22	7,0	11,45	1201#11000X04	1201#11170X04
MF 12 x 1,5	12,0	9,0	100	22	7,0	11,30	1201#11000XR4	1201#11170XR4
MF 14 x 1,25	14,0	11,0	100	22	9,0	13,45	1201#11001384	1201#11171384
MF 14 x 1,5	14,0	11,0	100	22	9,0	13,30	1201#110013B4	1201#111713B4
MF 16 x 1,5	16,0	12,0	100	22	9,0	15,30	1201#110018V4	1201#111718V4
MF 18 x 1,5	18,0	14,0	110	22	11,0	17,30	1201#11001EF4	1201#11171EF4
MF 20 x 1,5	20,0	16,0	125	25	12,0	19,30	1201#11001JZ4	1201#11171JZ4

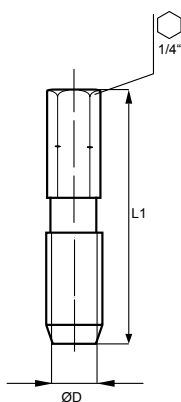
MF

Filettatura Metrica fine / ISO DIN 13

Tagliente interno efficiente
con avvitatori elettrici (min.
7,5 Volt)

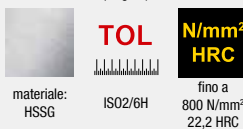
Applicazione:

- Materiali non abrasivi
fino a 900 N/mm²
acciaio non legato e
bassamente legato



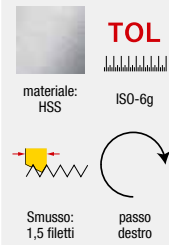
Bit-Taps

Forma D per fori passanti
and fori ciechi

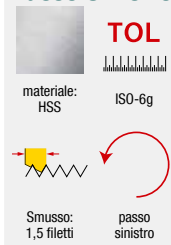


MF	D1	L1	L2	Hex	Icon	No.
MF 3 x 0,35	3,0	33,0	11	1/4"	2,65	1201#120008F0
MF 3,5 x 0,35	3,5	33,5	10	1/4"	3,15	1201#120009T0
MF 4 x 0,35	4,0	35,0	12	1/4"	3,65	1201#12000B70
MF 4 x 0,5	4,0	35,0	12	1/4"	3,50	1201#12000B90
MF 4,5 x 0,5	4,5	35,0	12	1/4"	4,00	1201#12000CNO
MF 5 x 0,5	5,0	36,0	15	1/4"	4,50	1201#12000E10
MF 5 x 0,75	5,0	36,0	15	1/4"	4,25	1201#12000E30
MF 5,5 x 0,5	5,5	35,0	15	1/4"	5,00	1201#12000FF0
MF 6 x 0,5	6,0	39,0	18	1/4"	5,50	1201#12000GT0
MF 6 x 0,75	6,0	39,0	18	1/4"	5,20	1201#12000GV0
MF 7 x 0,5	7,0	37,5	16	1/4"	6,50	1201#12000JL0
MF 7 x 0,75	7,0	37,5	16	1/4"	6,20	1201#12000JN0
MF 8 x 0,5	8,0	40,0	19	1/4"	7,50	1201#12000MD0
MF 8 x 0,75	8,0	40,0	19	1/4"	7,20	1201#12000MF0
MF 8 x 1	8,0	40,0	19	1/4"	7,00	1201#12000MI0
MF 9 x 0,5	9,0	40,5	18	1/4"	8,50	1201#12000P50
MF 9 x 0,75	9,0	40,5	18	1/4"	8,25	1201#12000P70
MF 9 x 1	9,0	40,5	18	1/4"	8,00	1201#12000PA0
MF 10 x 0,5	10,0	41,0	21	1/4"	9,50	1201#12000RX0
MF 10 x 0,75	10,0	41,0	21	1/4"	9,20	1201#12000RZ0
MF 10 x 1,0	10,0	41,0	21	1/4"	9,00	1201#12000S20
MF 10 x 1,25	10,0	41,0	21	1/4"	8,80	1201#12000S40

Filiera tonda per uso generale



Filiera tonda per uso generale Passo Sinistro



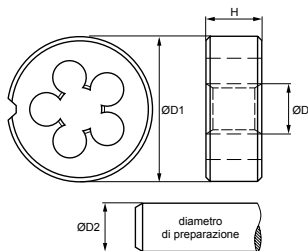
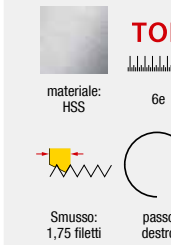
Filiera tonda per alta resistenza



Filiera tonda per acciai inossidabili

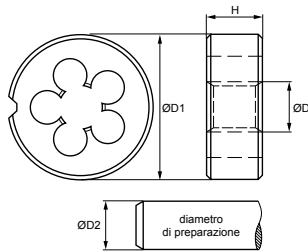


Filiera tonda minorata



MF

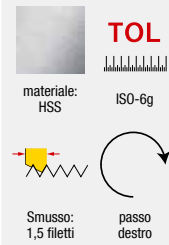
	D	D1	H	D2	No.	No.	No.	No.	No.	D2 Tol. 6e
MF 2,5 x 0,35	2,5	16	5	2,44	1301#01000710					
MF 2,6 x 0,35	2,6	16	5	2,54	1301#010007B0					
MF 3 x 0,35	3,0	20	5	2,94	1301#010008F0			1301#010508F0		
MF 3,5 x 0,35	3,5	20	5	3,44	1301#010009T0			1301#010509T0		
MF 4 x 0,35	4,0	20	5	3,94	1301#01000B70					
MF 4 x 0,5	4,0	20	5	3,93	1301#01000B90			1301#01050B90	1301#01210B90	3,84 mm
MF 4,5 x 0,5	4,5	20	5	4,43	1301#01000CN0					
MF 5 x 0,5	5,0	20	5	4,93	1301#01000E10			1301#01050E10	1301#01210E10	4,83 mm
MF 5 x 0,75	5,0	20	7	4,91	1301#01000FF0					
MF 5,5 x 0,5	5,5	20	5	5,43	1301#01000E30					
MF 6 x 0,5	6,0	20	5	5,93	1301#01000GT0			1301#01050GT0	1301#01210GT0	5,83 mm
MF 6 x 0,75	6,0	20	7	5,90	1301#01000GV0	1301#01020GV0	1301#01040GV0	1301#01050GV0	1301#01210GV0	5,81 mm
MF 7 x 0,5	7,0	25	9	6,93	1301#01000JL0				1301#01210JL0	6,83 mm
MF 7 x 0,75	7,0	25	9	6,90	1301#01000JN0			1301#01050JL0		
MF 8 x 0,5	8,0	25	9	7,93	1301#01000MD0			1301#01050MD0	1301#01210MD0	7,82 mm
MF 8 x 0,75	8,0	25	9	7,90	1301#01000MF0	1301#01020MF0	1301#01040MF0	1301#01050MF0	1301#01210MF0	7,80 mm
MF 8 x 1,0	8,0	25	9	7,83	1301#01000MI0	1301#01020MI0	1301#01040MI0	1301#01050MI0	1301#01210MI0	7,78 mm
MF 9 x 0,5	9,0	25	9	8,93	1301#01000P50					
MF 9 x 0,75	9,0	25	9	8,90	1301#01000P70					
MF 9 x 1,0	9,0	25	9	8,88	1301#01000PA0					
MF 10 x 0,5	10,0	30	11	9,93	1301#01000RX0					
MF 10 x 0,75	10,0	30	11	9,90	1301#01000RZ0			1301#01050RZ0	1301#01210RZ0	9,79 mm
MF 10 x 1,0	10,0	30	11	9,88	1301#01000S20	1301#01020S20	1301#01040S20	1301#01050S20	1301#01210S20	9,77 mm
MF 10 x 1,25	10,0	30	11	9,86	1301#01000S40	1301#01020S40	1301#01040S40	1301#01050S40		
MF 11 x 1,0	11,0	30	11	10,88	1301#01000JU0					
MF 11 x 1,25	11,0	30	11	10,86	1301#01000JU0					
MF 12 x 0,5	12,0	38	10	11,93	1301#01000XH0					
MF 12 x 0,75	12,0	38	10	11,90	1301#01000XJ0				1301#01210XJ0	11,78 mm
MF 12 x 1,0	12,0	38	10	11,88	1301#01000XM0	1301#01020XM0	1301#01040XM0	1301#01050XM0	1301#01210XM0	11,76 mm
MF 12 x 1,25	12,0	38	10	11,86	1301#01000X00	1301#01020X00	1301#01040X00	1301#01050X00		
MF 12 x 1,5	12,0	38	10	11,85	1301#01000XR0	1301#01020XR0	1301#01040XR0	1301#01050XR0	1301#01210XR0	11,73 mm
MF 13 x 0,5	13,0	38	10	12,93	1301#01001090					
MF 13 x 1,0	13,0	38	10	12,88	1301#010010E0					



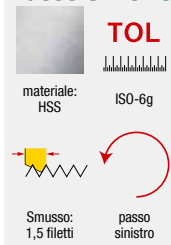
Filiera tonda per uso generale	Filiera tonda per uso generale Passo Sinistro	Filiera tonda per alta resistenza	Filiera tonda per acciai inossidabili	Filiera tonda minorata
<p>TOL</p> <p>materiale: HSS</p> <p>ISO-6g</p> <p>Smusso: 1,5 filetti</p> <p>passo destro</p>	<p>TOL</p> <p>materiale: HSS</p> <p>ISO-6g</p> <p>Smusso: 1,5 filetti</p> <p>passo sinistro</p>	<p>TOL</p> <p>materiale: HSSE</p> <p>ISO-6g</p> <p>Smusso: 1,5 filetti</p> <p>passo destro</p> <p>con ingresso a spirale</p>	<p>TOL</p> <p>materiale: HSSE</p> <p>ISO-6g</p> <p>Smusso: 2 filetti</p> <p>passo destro</p> <p>con ingresso a spirale</p>	<p>TOL</p> <p>materiale: HSS</p> <p>6e</p> <p>Smusso: 1,75 filetti</p> <p>passo destro</p> <p>con ingresso a spirale</p>

	D	D1	H	D2	No.	No.	No.	No.	No.	D2 Tol. 6e
MF 13 x 1,5	13,0	38	10	12,85	1301#010010J0					
MF 14 x 0,5	14,0	38	10	13,93	1301#01001310					
MF 14 x 0,75	14,0	38	10	13,90	1301#01001330					
MF 14 x 1,0	14,0	38	10	13,88	1301#01001360			1301#01051360	1301#01211360	13,76 mm
MF 14 x 1,25	14,0	38	10	13,86	1301#01001380	1301#01021380	1301#01041380	1301#01051380		
MF 14 x 1,5	14,0	38	10	13,85	1301#010013B0	1301#010213B0	1301#010413B0	1301#010513B0	1301#012113B0	13,73 mm
MF 15 x 0,75	15,0	38	10	14,90	1301#010015V0					
MF 15 x 1,0	15,0	38	10	14,88	1301#010015Y0					
MF 15 x 1,5	15,0	38	10	14,85	1301#01001630					
MF 16 x 0,5	16,0	45	14	15,93	1301#010018L0					
MF 16 x 0,75	16,0	45	14	15,90	1301#010018N0					
MF 16 x 1,0	16,0	45	14	15,88	1301#010018Q0	1301#010218Q0		1301#010518Q0	1301#012118Q0	15,76 mm
MF 16 x 1,25	16,0	45	14	15,86	1301#010018S0					
MF 16 x 1,5	16,0	45	14	15,85	1301#010018V0	1301#010218V0	1301#010418V0	1301#010518V0	1301#012118V0	15,73 mm
MF 17 x 1,0	17,0	45	14	16,88	1301#01001B10					
MF 17 x 1,5	17,0	45	14	16,85	1301#01001B00					
MF 18 x 0,5	18,0	45	14	17,93	1301#01001E50					
MF 18 x 0,75	18,0	45	14	17,90	1301#01001E70					
MF 18 x 1,0	18,0	45	14	17,88	1301#01001EA0			1301#01051EA0	1301#01211EA0	17,74 mm
MF 18 x 1,25	18,0	45	14	17,86	1301#01001EC0					
MF 18 x 1,5	18,0	45	14	17,85	1301#01001EF0	1301#01021EF0	1301#01041EF0	1301#01051EF0	1301#01211EF0	17,71 mm
MF 18 x 2,0	18,0	45	14	17,82	1301#01001EK0		1301#01041EK0			
MF 19 x 1,0	19,0	45	14	18,88	1301#01001H20					
MF 19 x 1,5	19,0	45	14	18,85	1301#01001H70					
MF 20 x 0,5	20,0	45	14	19,93	1301#01001JP0					
MF 20 x 0,75	20,0	45	14	19,90	1301#01001JR0					
MF 20 x 1,0	20,0	45	14	19,88	1301#01001JU0			1301#01051JU0	1301#01211JU0	19,66 mm
MF 20 x 1,25	20,0	45	14	19,86	1301#01001JW0					
MF 20 x 1,5	20,0	45	14	19,85	1301#01001JZ0	1301#01021JZ0	1301#01041JZ0	1301#01051JZ0	1301#01211JZ0	19,71 mm
MF 20 x 2,0	20,0	45	14	19,82	1301#01001K40		1301#01041K40			
MF 21 x 1,5	21,0	45	14	20,88	1301#01001MM0					
MF 21 x 1,0	21,0	45	14	20,85	1301#01001MR0					
MF 22 x 0,5	22,0	55	16	21,93	1301#01001P90					

Filiera tonda per uso generale



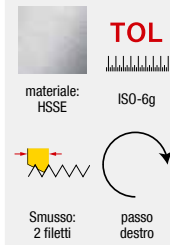
Filiera tonda per uso generale
Passo Sinistro



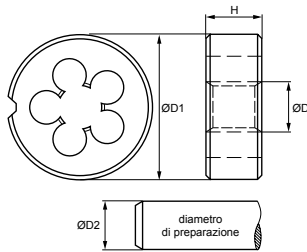
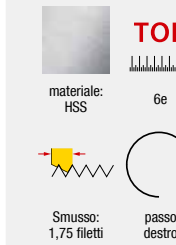
Filiera tonda per alta resistenza



Filiera tonda per acciai inossidabili



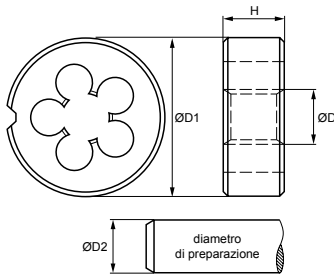
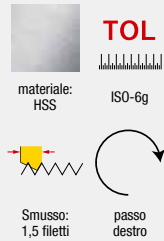
Filiera tonda minorata



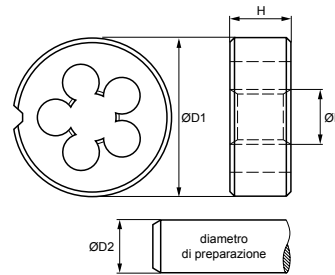
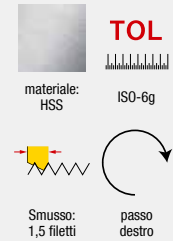
MF

	D	D1	H	D2	No.	No.	No.	No.	No.	D2 Tol. 6e
MF 22 x 0,75	22,0	55	16	21,90	1301#01001PB0					
MF 22 x 1,0	22,0	55	16	21,88	1301#01001PE0					
MF 22 x 1,25	22,0	55	16	21,86	1301#01001PG0					
MF 22 x 1,5	22,0	55	16	21,85	1301#01001PJ0	1301#01021PJ0	1301#01041PJ0	1301#01051PJ0	1301#01211PJ0	21,71 mm
MF 22 x 2,0	22,0	55	16	21,82	1301#01001PO0					
MF 23 x 1,0	23,0	55	16	22,88	1301#01001S60					
MF 23 x 1,5	23,0	55	16	22,85	1301#01001SB0					
MF 24 x 0,5	24,0	55	16	23,93	1301#01001UT0					
MF 24 x 0,75	24,0	55	16	23,90	1301#01001UV0					
MF 24 x 1,0	24,0	55	16	23,88	1301#01001UY0				1301#01211UY0	21,74 mm
MF 24 x 1,25	24,0	55	16	23,86	1301#01001V00					
MF 24 x 1,5	24,0	55	16	23,85	1301#01001V30	1301#01021V30	1301#01041V30	1301#01051V30	1301#01211V30	23,70 mm
MF 24 x 2,0	24,0	55	16	22,82	1301#01001V80	1301#01021V80		1301#01051V80		
MF 25 x 1,0	25,0	55	16	24,88	1301#01001XQ0					
MF 25 x 1,5	25,0	55	16	24,85	1301#01001XV0					
MF 26 x 1,0	26,0	55	16	25,88	1301#010020I0					
MF 26 x 1,5	26,0	55	16	25,85	1301#010020N0			1301#010520N0	1301#012120N0	25,69 mm
MF 26 x 2,0	26,0	55	16	25,82	1301#010020S0					
MF 27 x 1,0	27,0	65	18	26,88	1301#010023A0					
MF 27 x 1,5	27,0	65	18	26,85	1301#010023F0					
MF 27 x 2,0	27,0	65	18	26,82	1301#010023K0					
MF 28 x 1,0	28,0	65	18	27,88	1301#01002620					
MF 28 x 1,5	28,0	65	18	27,85	1301#01002670					
MF 28 x 2,0	28,0	65	18	27,82	1301#010026C0					
MF 29 x 1,5	29,0	65	18	28,85	1301#010028Z0					
MF 30 x 1,0	30,0	65	18	29,88	1301#01002BM0					
MF 30 x 1,5	30,0	65	18	29,85	1301#01002BR0			1301#01052BR0		
MF 30 x 2,0	30,0	65	18	29,82	1301#01002BW0	1301#01022BW0		1301#01052BW0		
MF 30 x 2,5	30,0	65	18	29,79	1301#01002C10	1301#01022C10				
MF 30 x 3,0	30,0	65	25	29,76	1301#01002C60	1301#01022C60				
MF 32 x 1,0	32,0	65	18	31,88	1301#01002H60	1301#01022H60				
MF 32 x 1,5	32,0	65	18	31,85	1301#01002HB0	1301#01022HB0				
MF 32 x 2,0	32,0	65	18	31,82	1301#01002HG0	1301#01022HG0				

Filiera tonda per uso generale



Filiera tonda per uso generale



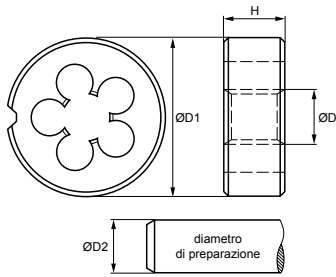
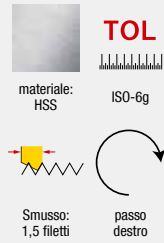
MF

	D	D1	H	D2	No.
MF 32 x 3,0	32	65	25	31,77	1301#01002HQ0
MF 33 x 1,5	33	65	18	32,85	1301#01002K30
MF 33 x 2,0	33	65	18	32,82	1301#01002K80
MF 33 x 3,0	33	65	25	32,76	1301#01002KI0
MF 34 x 1,0	34	65	18	33,88	1301#01002MQ0
MF 34 x 1,5	34	65	18	33,85	1301#01002MV0
MF 34 x 2,0	34	65	18	33,82	1301#01002N00
MF 35 x 1,0	35	65	18	34,88	1301#01002PI0
MF 35 x 1,5	35	65	18	34,85	1301#01002PN0
MF 35 x 2,0	35	65	18	34,82	1301#01002PS0
MF 36 x 1,0	36	65	18	35,88	1301#01002SA0
MF 36 x 1,5	36	65	18	35,85	1301#01002SF0
MF 36 x 2,0	36	65	18	35,82	1301#01002SK0
MF 36 x 3,0	36	65	25	35,76	1301#01002SU0
MF 37 x 1,5	37	65	18	36,85	1301#01002V70
MF 38 x 1,0	38	75	20	37,88	1301#01002XU0
MF 38 x 1,5	38	75	20	37,85	1301#01002XZ0
MF 38 x 2,0	38	75	20	37,82	1301#01002Y40
MF 38 x 3,0	38	75	30	37,77	1301#01002YE0
MF 39 x 1,5	39	75	20	38,85	1301#010030R0
MF 39 x 2,0	39	75	20	38,82	1301#010030W0
MF 39 x 3,0	39	75	30	38,76	1301#01003160
MF 40 x 1,0	40	75	20	39,88	1301#010033E0
MF 40 x 1,5	40	75	20	39,85	1301#010033J0
MF 40 x 2,0	40	75	20	39,82	1301#01003300
MF 40 x 3,0	40	75	30	39,76	1301#010033Y0
MF 42 x 1,0	42	75	20	41,88	1301#010038Y0
MF 42 x 1,5	42	75	20	41,85	1301#01003930
MF 42 x 2,0	42	75	20	41,82	1301#01003980
MF 42 x 3,0	42	75	30	41,76	1301#010039I0
MF 44 x 1,5	44	90	22	43,85	1301#010039E0
MF 44 x 2,0	44	90	22	43,82	1301#010039S0
MF 45 x 1,0	45	90	22	44,88	1301#01003HA0

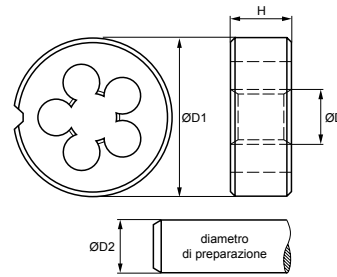
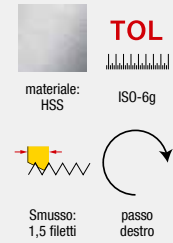
MF

	D	D1	H	D2	No.
MF 45 x 1,5	45	90	22	44,85	1301#01003HF0
MF 45 x 2,0	45	90	22	44,82	1301#01003HK0
MF 45 x 3,0	45	90	36	44,76	1301#01003HU0
MF 46 x 1,5	46	90	22	45,85	1301#01003K70
MF 48 x 1,0	48	90	22	47,88	1301#01003PM0
MF 48 x 1,5	48	90	22	47,85	1301#01003PR0
MF 48 x 2,0	48	90	22	47,82	1301#01003PW0
MF 48 x 3,0	48	90	36	47,46	1301#01003Q60
MF 50 x 1,5	50	90	22	49,85	1301#01003VB0
MF 50 x 2,0	50	90	22	49,82	1301#01003VG0
MF 50 x 3,0	50	90	36	49,76	1301#01003VQ0
MF 52 x 1,5	52	90	22	51,85	1301#010040V0
MF 52 x 2,0	52	90	22	51,82	1301#01004100
MF 52 x 3,0	52	90	36	51,76	1301#010041A0
MF 54 x 1,5	54	105	22	53,92	1301#010046F0
MF 54 x 2,0	54	105	22	53,91	1301#010046K0
MF 54 x 3,0	54	105	36	53,88	1301#010046U0
MF 54 x 4,0	54	105	36	53,85	1301#01004740
MF 55 x 1,5	55	105	22	54,85	1301#01004970
MF 55 x 2,0	55	105	22	54,82	1301#010049C0
MF 55 x 3,0	55	105	36	54,76	1301#010049M0
MF 55 x 4,0	55	105	36	54,73	1301#010049W0
MF 56 x 1,5	56	105	22	55,85	1301#01004BZ0
MF 56 x 2,0	56	105	22	55,82	1301#01004C40
MF 56 x 3,0	56	105	36	55,76	1301#01004CE0
MF 56 x 4,0	56	105	36	55,73	1301#01004CO0
MF 58 x 1,5	58	105	22	57,92	1301#01004HU0
MF 58 x 2,0	58	105	22	57,91	1301#01004H00
MF 58 x 3,0	58	105	36	57,88	1301#01004HY0
MF 58 x 4,0	58	105	36	57,85	1301#01004I80
MF 60 x 1,5	60	105	22	59,92	1301#01004N30
MF 60 x 2,0	60	105	22	59,91	1301#01004N80
MF 60 x 3,0	60	105	36	59,88	1301#01004NI0

Filiera tonda per uso generale



Filiera tonda per uso generale



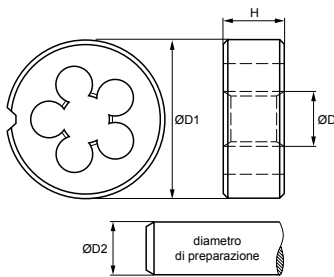
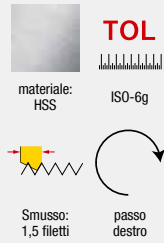
MF

	D	D1	H	D2	No.
MF 60 x 4,0	60	105	36	59,85	1301#01004NSO
MF 62 x 1,5	62	105	22	61,92	1301#01004SNO
MF 62 x 2,0	62	105	22	61,91	1301#01004SSO
MF 62 x 3,0	62	105	36	61,88	1301#01004T2O
MF 62 x 4,0	62	105	36	61,85	1301#01004TCO
MF 63 x 1,5	63	105	22	62,92	1301#01004VFO
MF 64 x 1,5	64	120	22	63,92	1301#01004Y7O
MF 64 x 2,0	64	120	22	63,91	1301#01004YCO
MF 64 x 3,0	64	120	36	63,88	1301#01004YMO
MF 64 x 4,0	64	120	36	63,85	1301#01004YWO
MF 65 x 1,5	65	120	22	64,92	1301#01005OZO
MF 65 x 2,0	65	120	22	64,91	1301#0100514O
MF 65 x 3,0	65	120	36	64,88	1301#010051EO
MF 65 x 4,0	65	120	36	64,85	1301#0100510O
MF 68 x 1,5	68	120	22	67,92	1301#010059BO
MF 68 x 2,0	68	120	22	67,91	1301#010059GO
MF 68 x 3,0	68	120	36	67,88	1301#010059QO
MF 68 x 4,0	68	120	36	67,85	1301#01005A0O
MF 70 x 1,5	70	120	22	69,92	1301#01005EVO
MF 70 x 2,0	70	120	22	69,91	1301#01005F0O
MF 70 x 3,0	70	120	36	69,88	1301#01005FAO
MF 70 x 4,0	70	120	36	69,85	1301#01005FKO
MF 72 x 1,5	72	120	22	71,92	1301#01005KFO
MF 72 x 2,0	72	120	22	71,91	1301#01005KKO
MF 72 x 3,0	72	120	36	71,88	1301#01005KUO
MF 72 x 4,0	72	120	36	71,85	1301#01005L4O
MF 74 x 1,5	74	120	22	73,92	1301#01005PZO
MF 74 x 2,0	74	120	22	73,91	1301#01005Q4O
MF 74 x 3,0	74	120	36	73,88	1301#01005QE0
MF 74 x 4,0	74	120	36	73,85	1301#01005Q0O
MF 75 x 1,5	75	120	22	74,92	1301#01005SRO
MF 75 x 2,0	75	120	22	74,91	1301#01005SWO
MF 75 x 3,0	75	120	36	74,88	1301#01005T6O

MF

	D	D1	H	D2	No.
MF 75 x 4,0	75	120	36	74,85	1301#01005TGO
MF 76 x 1,5	76	120	22	75,92	1301#01005VJO
MF 76 x 2,0	76	120	22	75,91	1301#01005V0O
MF 76 x 3,0	76	120	36	75,88	1301#01005VYO
MF 76 x 4,0	76	120	36	75,85	1301#01005W8O
MF 78 x 1,5	78	120	22	77,92	1301#0100613O
MF 78 x 2,0	78	120	22	77,91	1301#0100618O
MF 78 x 3,0	78	120	36	77,88	1301#0100611O
MF 78 x 4,0	78	120	36	77,85	1301#010061SO
MF 80 x 1,5	80	120	22	79,92	1301#010066NO
MF 80 x 2,0	80	120	22	79,91	1301#010066SO
MF 80 x 3,0	80	120	36	79,88	1301#0100672O
MF 80 x 4,0	80	120	36	79,85	1301#010067CO
MF 82 x 1,5	82	130	25	81,92	1301#01006C7O
MF 82 x 2,0	82	130	25	81,91	1301#01006CCO
MF 82 x 3,0	82	130	36	81,88	1301#01006CMO
MF 82 x 4,0	82	130	36	81,85	1301#01006CW0
MF 84 x 1,5	84	130	25	83,92	1301#01006HRO
MF 84 x 2,0	84	130	25	83,91	1301#01006HWO
MF 84 x 3,0	84	130	36	83,88	1301#01006I6O
MF 84 x 4,0	84	130	36	83,85	1301#01006IGO
MF 85 x 1,5	85	130	25	84,92	1301#01006KJO
MF 85 x 2,0	85	130	25	84,91	1301#01006K0O
MF 85 x 3,0	85	130	36	84,88	1301#01006KYO
MF 85 x 4,0	85	130	36	84,85	1301#01006L8O
MF 86 x 1,5	86	140	22	85,92	1301#01006NBO
MF 86 x 2,0	86	140	22	85,91	1301#01006NGO
MF 86 x 3,0	86	140	22	85,88	1301#01006NQO
MF 86 x 4,0	86	140	22	85,85	1301#01006O0O
MF 88 x 1,5	88	140	22	87,92	1301#01006SVO
MF 88 x 2,0	88	140	22	87,91	1301#01006T0O
MF 88 x 3,0	88	140	22	87,88	1301#01006TAO
MF 88 x 4,0	88	140	22	87,85	1301#01006TKO

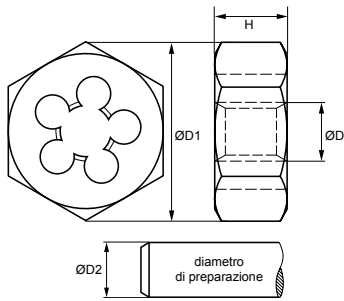
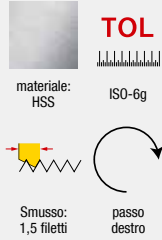
Filiera tonda
per uso generale



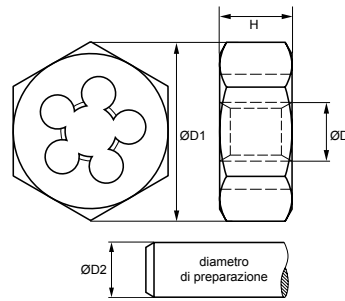
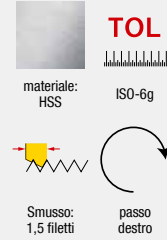
MF

	D	D1	H	D2	No.
MF 90 x 1,5	90	140	22	89,92	1301#01006YFO
MF 90 x 2,0	90	140	22	89,91	1301#01006YKO
MF 90 x 3,0	90	140	22	89,88	1301#01006YUO
MF 90 x 4,0	90	140	22	89,85	1301#01006Z4O
MF 92 x 1,5	92	140	22	91,92	1301#010073ZO
MF 92 x 2,0	92	140	22	91,91	1301#0100744O
MF 92 x 3,0	92	140	22	91,88	1301#010074EO
MF 92 x 4,0	92	140	22	91,85	1301#010074OO
MF 95 x 1,5	95	140	22	94,92	1301#01007CBO
MF 95 x 2,0	95	140	22	94,91	1301#01007CGO
MF 95 x 3,0	95	140	22	94,88	1301#01007CQO
MF 95 x 4,0	95	140	22	94,85	1301#01007DOO
MF 96 x 1,5	96	140	22	95,92	1301#01007F3O
MF 96 x 2,0	96	140	22	95,91	1301#01007F8O
MF 96 x 3,0	96	140	22	95,88	1301#01007FIO
MF 96 x 4,0	96	140	22	95,85	1301#01007FSO
MF 98 x 1,5	98	150	25	94,92	1301#01007KNO
MF 98 x 2,0	98	150	25	97,91	1301#01007KSO
MF 98 x 3,0	98	150	25	97,88	1301#01007L2O
MF 98 x 4,0	98	150	25	97,85	1301#01007LCO
MF 100 x 1,5	100	150	25	99,92	1301#01007Q7O
MF 100 x 2,0	100	150	25	99,91	1301#01007QCO
MF 100 x 3,0	100	150	25	99,88	1301#01007QMO
MF 100 x 4,0	100	150	25	99,85	1301#01007QWO
MF 105 x 1,5	105	150	25	104,92	1301#0100843O
MF 105 x 2,0	105	150	25	104,91	1301#0100848O
MF 105 x 3,0	105	150	25	104,88	1301#010084IO
MF 105 x 4,0	105	150	25	104,85	1301#010084SO
MF 110 x 1,5	110	160	25	109,92	1301#01008HZO
MF 110 x 2,0	110	160	25	109,91	1301#01008I4O
MF 110 x 3,0	110	160	25	109,88	1301#01008IEO
MF 110 x 4,0	110	160	25	109,85	1301#01008I0O

Filiera esagonale per uso generale



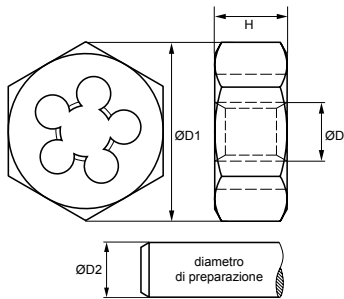
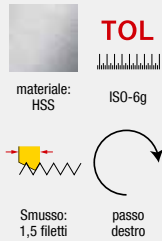
Filiera esagonale per uso generale



MF	D	D1	H	D2	No.
MF 3 x 0,35	3,0	19	5	2,94	1301#020008F0
MF 4 x 0,35	3,5	19	5	3,44	1301#02000B70
MF 4 x 0,5	4,0	19	5	3,93	1301#02000B90
MF 5 x 0,5	5,0	19	5	4,93	1301#02000E10
MF 5 x 0,75	5,0	19	7	4,91	1301#02000E30
MF 6 x 0,5	6,0	19	5	5,93	1301#02000G70
MF 6 x 0,75	6,0	19	7	5,90	1301#02000G90
MF 7 x 0,75	7,0	22	9	6,90	1301#02000J90
MF 8 x 0,5	8,0	22	9	7,93	1301#02000M00
MF 8 x 0,75	8,0	22	9	7,90	1301#02000M20
MF 8 x 1,0	8,0	22	9	7,83	1301#02000M40
MF 9 x 0,75	9,0	22	9	8,90	1301#02000P70
MF 9 x 1,0	9,0	22	9	8,88	1301#02000P90
MF 10 x 0,75	10,0	27	11	9,90	1301#02000R20
MF 10 x 1,0	10,0	27	11	9,88	1301#02000S20
MF 10 x 1,25	10,0	27	11	9,86	1301#02000S40
MF 11 x 1,0	11,0	27	11	10,88	1301#02000U00
MF 11 x 1,25	11,0	27	11	10,86	1301#02000U20
MF 12 x 0,75	12,0	36	10	11,90	1301#02000X30
MF 12 x 1,0	12,0	36	10	11,88	1301#02000X50
MF 12 x 1,25	12,0	36	10	11,86	1301#02000X70
MF 12 x 1,5	12,0	36	10	11,85	1301#02000X90
MF 13 x 1,0	13,0	36	10	12,88	1301#020010E0
MF 13 x 1,5	13,0	36	10	12,85	1301#020010J0
MF 14 x 0,75	14,0	36	10	13,90	1301#02001330
MF 14 x 1,0	14,0	36	10	13,88	1301#02001360
MF 14 x 1,25	14,0	36	10	13,86	1301#02001380
MF 14 x 1,5	14,0	36	10	13,85	1301#020013B0
MF 15 x 1,0	15,0	36	10	14,88	1301#020015Y0
MF 15 x 1,5	15,0	36	10	14,85	1301#02001630
MF 16 x 1,0	16,0	41	14	15,88	1301#020018Q0
MF 16 x 1,25	16,0	41	14	15,86	1301#020018S0
MF 16 x 1,5	16,0	41	14	15,85	1301#020018V0
MF 18 x 1,0	18,0	41	14	17,88	1301#02001EA0

MF	D	D1	H	D2	No.
MF 18 x 1,25	18,0	41	14	17,86	1301#02001EC0
MF 18 x 1,5	18,0	41	14	17,85	1301#02001EF0
MF 18 x 2,0	18,0	41	14	17,82	1301#02001EK0
MF 20 x 1,0	20,0	41	14	19,88	1301#02001JU0
MF 20 x 1,25	20,0	41	14	19,86	1301#02001JW0
MF 20 x 1,5	20,0	41	14	19,85	1301#02001JZ0
MF 20 x 2,0	20,0	41	14	19,82	1301#02001K40
MF 21 x 1,5	21,0	41	14	20,85	1301#02001MR0
MF 22 x 1,0	22,0	50	16	21,88	1301#02001PE0
MF 22 x 1,25	22,0	50	16	21,86	1301#02001PG0
MF 22 x 1,5	22,0	50	16	21,85	1301#02001PJ0
MF 22 x 2,0	22,0	50	16	21,82	1301#02001P00
MF 23 x 1,5	23,0	50	16	22,85	1301#02001SB0
MF 24 x 1,0	24,0	50	16	23,88	1301#02001UY0
MF 24 x 1,25	24,0	50	16	23,86	1301#02001V00
MF 24 x 1,5	24,0	50	16	23,85	1301#02001V30
MF 24 x 2,0	24,0	50	16	22,82	1301#02001V80
MF 25 x 1,0	25,0	50	16	24,88	1301#02001XQ0
MF 25 x 1,5	25,0	50	16	24,85	1301#02001XV0
MF 26 x 1,0	26,0	50	16	25,88	1301#020020I0
MF 26 x 1,5	26,0	50	16	25,85	1301#020020N0
MF 26 x 2,0	26,0	50	16	25,82	1301#020020S0
MF 27 x 1,0	27,0	60	18	26,88	1301#020023F0
MF 27 x 1,5	27,0	60	18	26,85	1301#020023A0
MF 27 x 2,0	27,0	60	18	26,82	1301#020023K0
MF 28 x 1,0	28,0	60	18	27,88	1301#02002620
MF 28 x 1,5	28,0	60	18	27,85	1301#02002670
MF 28 x 2,0	28,0	60	18	27,82	1301#020026C0
MF 29 x 1,5	29,0	60	18	28,85	1301#020028Z0
MF 30 x 1,0	30,0	60	18	29,88	1301#02002BM0
MF 30 x 1,5	30,0	60	18	29,85	1301#02002BR0
MF 30 x 2,0	30,0	60	18	29,82	1301#02002BW0
MF 30 x 3,0	30,0	60	25	29,76	1301#02002C60
MF 32 x 1,5	32,0	60	18	31,85	1301#02002HG0

Filiera esagonale per uso generale



MF

	D	D1	H	D2	No.
MF 32 x 2,0	32,0	60	18	31,82	1301#02002HB0
MF 32 x 3,0	32,0	60	25	31,77	1301#02002HQ0
MF 33 x 1,5	33,0	60	18	32,85	1301#02002K30
MF 33 x 2,0	33,0	60	18	32,82	1301#02002K80
MF 33 x 3,0	33,0	60	25	32,76	1301#02002KI0
MF 34 x 1,5	34,0	60	18	33,85	1301#02002MV0
MF 34 x 2,0	34,0	60	18	33,82	1301#02002N00
MF 35 x 1,5	35,0	60	18	34,85	1301#02002PN0
MF 36 x 1,5	36,0	60	18	35,85	1301#02002SF0
MF 36 x 2,0	36,0	60	18	35,82	1301#02002SK0
MF 36 x 3,0	36,0	60	25	35,76	1301#02002SU0
MF 38 x 1,5	38,0	70	20	37,85	1301#02002XZ0
MF 39 x 1,5	39,0	70	20	38,85	1301#020030R0
MF 39 x 2,0	39,0	70	20	38,82	1301#020030W0
MF 39 x 3,0	39,0	70	30	38,76	1301#02003160
MF 40 x 1,5	40,0	70	20	39,85	1301#020033J0
MF 40 x 2,0	40,0	70	20	39,82	1301#02003300
MF 40 x 3,0	40,0	70	30	39,76	1301#020033Y0
MF 42 x 1,5	42,0	70	20	41,85	1301#02003930
MF 42 x 2,0	42,0	70	20	41,82	1301#02003980
MF 42 x 3,0	42,0	70	30	41,76	1301#020039I0
MF 45 x 1,5	45,0	85	22	44,85	1301#02003HF0
MF 45 x 2,0	45,0	85	22	44,82	1301#02003HK0
MF 45 x 3,0	45,0	85	36	44,76	1301#02003HU0
MF 48 x 1,5	48,0	85	22	47,85	1301#02003PR0
MF 48 x 2,0	48,0	85	22	47,82	1301#02003PW0
MF 48 x 3,0	48,0	85	36	47,46	1301#02003Q60
MF 50 x 1,5	50,0	85	22	49,85	1301#02003VB0
MF 50 x 2,0	50,0	85	22	49,82	1301#02003VG0
MF 50 x 3,0	50,0	85	36	49,76	1301#02003VQ0
MF 52 x 1,5	52,0	85	22	51,85	1301#020040V0
MF 52 x 2,0	52,0	85	22	51,82	1301#02004100
MF 52 x 3,0	52,0	85	36	51,76	1301#020041A0

G-Rohr (BSP)

Fillettatura Whitworth standard britannico / DIN ISO 228

Set di Maschi a mano, Filiere tonde e Utensili

(immagine rappresentativa)



Set G(BSP) 1/8" - 1"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi)	G 1/8 x 28 G 1/4 x 19 G 3/8 x 19 G 1/2 x 14 G 3/4 x 14 G 1" x 11
HSS Filiere tonde	G 1/8 x 28 G 1/4 x 19 G 3/8 x 19 G 1/2 x 14 G 3/4 x 14 G 1" x 11
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 5-20 7/32-3/4" G 1/8-1/2 & M 13-32 1/2-1.1/4" G 1/4-1"
Portafiliera - zincato	30 x 11 38 x 10 45 x 14 55 x 16 68 x 18
Estrattore di viti	

Art.:
1404#43010001

Set G(BSP) 1/8" - 1" (incl. misure intermedie)

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi)	G 1/8 x 28 G 1/4 x 19 G 3/8 x 19 G 1/2 x 14 G 5/8 x 14 G 3/4 x 14 G 7/8 x 14 G 1" x 11
HSS Filiere tonde	G 1/8 x 28 G 1/4 x 19 G 3/8 x 19 G 1/2 x 14 G 5/8 x 14 G 3/4 x 14 G 7/8 x 14 G 1" x 11
Giramaschi regolabile - zincato	M 1-10 1/16-3/8 G 1/8 & M 5-20 7/32-3/4" G 1/8-1/2 & M 13-32 1/2-1.1/4" G 1/4-1"
Portafiliera - zincato	30 x 11 38 x 10 45 x 14 55 x 16 68 x 18
Estrattore di viti	

Art.:
1404#43010002

Set G(BSP) 1/4" - 1.1/2"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi)	G 1/4 x 19 G 3/8 x 19 G 1/2 x 14 G 3/4 x 14 G 1" x 11 G 1.1/4" x 11 G 1.1/2" x 11
HSS Filiere tonde	G 1/4 x 19 G 3/8 x 19 G 1/2 x 14 G 3/4 x 14 G 1" x 11 G 1.1/4" x 11 G 1.1/2" x 11
Giramaschi regolabile - zincato	M 4-12 5/32-1/2 G 1/8 & M 11-27 7/16-1" G 1/4-3/4 & M 27-52 1.1/8"-2" G 3/4-1.3/4"
Portafiliera - zincato	38 x 10 45 x 14 55 x 16 68 x 18 75 x 20 90 x 22
Estrattore di viti	

Art.:
1404#43010003

G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

Set di Maschi a mano, Filiere tonde e Utensili (immagine rappresentativa)



Set G(BSP) 1/8" - 3/4"

Maschi Corti a Macchina per fori ciechi e passanti HSS Filiere esagonali

HSSG Maschi Corti a Macchina Forma D per fori passanti e fori ciechi (fino a 4 x D) G 1/8 x 28 | G 1/4 x 19 | G 3/8 x 19 | G 1/2 x 14 | G 3/4 x 14

HSS Filiere esagonali G 1/8 x 28 | G 1/4 x 19 | G 3/8 x 19 | G 1/2 x 14 | G 3/4 x 14

Art.:
1404#60000001

Set G(BSP) 1/8" - 1/2"

Maschi Corti a Macchina per fori ciechi e passanti HSS Filiere esagonali

HSSG Maschi Corti a Macchina Forma D per fori passanti e fori ciechi (fino a 4 x D) G 1/8 x 28 | G 1/4 x 19 | G 3/8 x 19 | G 1/2 x 14

HSS Filiere esagonali G 1/8 x 28 | G 1/4 x 19 | G 3/8 x 19 | G 1/2 x 14

Art.:
1404#60000002

Set G(BSP) 1/8" - 3/4"

Maschi Corti a Macchina per fori ciechi e passanti HSS Filiere tonde

HSSG Maschi Corti a Macchina Forma D per fori passanti e fori ciechi (fino a 4 x D) G 1/8 x 28 | G 1/4 x 19 | G 3/8 x 19 | G 1/2 x 14 | G 3/4 x 14

HSS Filiere tonde G 1/8 x 28 | G 1/4 x 19 | G 3/8 x 19 | G 1/2 x 14 | G 3/4 x 14

Art.:
1404#60000003

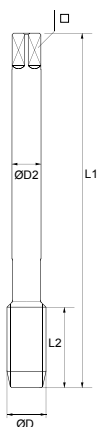
G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

Tagliente interno efficiente
La struttura corta lo rende utilizzabile a macchina e a mano

Applicazione:

- Materiali non abrasivi fino a 900 N/mm²
- Acciaio non legato e bassamente legato



Maschi Corti a Macchina

Forma D per fori passanti e fori ciechi

fori passanti & fori ciechi fino a 4 x D

Rimozione del truciolo (v.figura)

Forma D scanalature dritte

TOL

materiali: HSSG ISO2/6H

N/mm² HRC fino a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare

G(BSP)

	D1	D2	L1	L2	□		No.
BSP 1/8 x 28	9,73	7	63	20	5,5	8,80	1204#010003H0
BSP 1/4 x 19	13,16	11	70	22	9,0	11,80	1204#010006Y0
BSP 3/8 x 19	16,66	12	70	22	9,0	15,25	1204#01000AF0
BSP 1/2 x 14	20,95	16	80	22	12,0	19,00	1204#01000DW0
BSP 3/4 x 14	26,44	20	90	22	16,0	24,50	1204#01000KU0
BSP 1" x 11	33,25	25	100	25	20,0	30,75	1204#01000RS0
BSP 1.1/4 x 11	41,91	32	125	40	24,0	39,50	1204#01000YQ0
BSP 1.1/2 x 11	47,80	36	140	40	29,0	45,25	1204#01001500
BSP 1.3/4 x 11	53,74	40	140	40	32,0	51,20	1204#01001CM0
BSP 2" x 11	59,61	45	160	40	35,0	57,00	1204#01001JK0
BSP 2.1/4 x 11	65,71	50	160	40	39,0	63,10	1204#01001QI0
BSP 2.1/2 x 11	75,18	50	160	40	39,0	72,60	1204#01001XG0
BSP 2.3/4 x 11	81,53	50	160	40	39,0	79,00	1204#010024E0
BSP 3" x 11	87,88	50	160	40	39,0	85,50	1204#01002BC0
BSP 3.1/2 x 11	100,30	56	180	45	44,0	98,00	1204#01002P80
BSP 4" x 11	113,00	56	180	45	44,0	110,50	1204#01003340

G-Rohr (BSP)

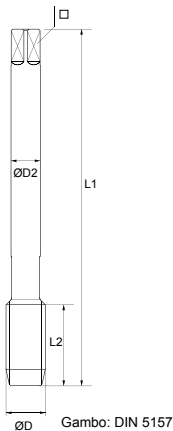
Filettatura Whitworth standard britannico / DIN ISO 228

Tagliante interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Set Maschi a Mano include 2 maschi:

- Maschio sgrossatore
- Maschio finitore



Set Maschi a Mano per uso generale



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG media a 900 N/mm² 27,1 HRC



2-3 filetti

raffreddare e lubrificare



Set Maschi a Mano per uso generale Passo Sinistro



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG media a 900 N/mm² 27,1 HRC



2-3 filetti

raffreddare e lubrificare



Set Maschi a Mano per materiali alta resistenza



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSE media a 1200 N/mm² 38,2 HRC



2-3 filetti

raffreddare e lubrificare



G(BSP)

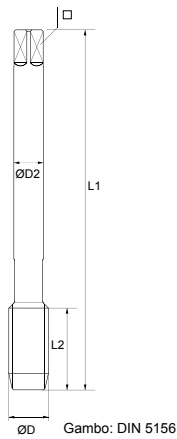
	D1	D2	L1	L2	□	🔧	No.	No.	No.
BSP 1/8 x 28	9,73	7	63	20	5,5	8,80	1204#030003H0	1204#030203H0	1204#030403H0
BSP 1/4 x 19	13,16	11	70	22	9,0	11,80	1204#030006Y0	1204#030206Y0	1204#030406Y0
BSP 3/8 x 19	16,66	12	70	22	9,0	15,25	1204#03000AF0	1204#03020AF0	1204#03040AF0
BSP 1/2 x 14	20,95	16	80	22	12,0	19,00	1204#03000DWO	1204#03020DWO	1204#03040DWO
BSP 5/8 x 14	22,91	18	80	22	14,5	21,00	1204#03000HDO	1204#03020HDO	
BSP 3/4 x 14	26,44	20	90	22	16,0	24,50	1204#03000KJU0	1204#03020KJU0	1204#03040KJU0
BSP 7/8 x 14	30,20	22	90	22	18,0	28,25	1204#03000B0		
BSP 1" x 11	33,25	25	100	25	20,0	30,75	1204#03000RS0	1204#03020RS0	1204#03040RS0
BSP 1.1/8 x 11	37,90	28	125	40	22,0	35,30	1204#03000V90	1204#03020V90	
BSP 1.1/4 x 11	41,91	32	125	40	24,0	39,50	1204#03000YQ0	1204#03020YQ0	
BSP 1.3/8 x 11	44,32	36	140	40	29,0	41,70	1204#03001270	1204#03021270	
BSP 1.1/2 x 11	47,80	36	140	40	29,0	45,25	1204#03001500	1204#03021500	
BSP 1.5/8 x 11	52,00	40	140	40	32,0	49,60	1204#03001950		
BSP 1.3/4 x 11	53,74	40	140	40	32,0	51,20	1204#03001CM0	1204#03021CM0	
BSP 2" x 11	59,61	45	160	40	35,0	57,00	1204#03001JK0	1204#03021JK0	
BSP 2.1/4 x 11	65,71	50	160	40	39,0	63,10	1204#03001QI0		
BSP 2.1/2 x 11	75,18	50	160	40	39,0	72,60	1204#03001XG0		
BSP 2.3/4 x 11	81,53	50	160	40	39,0	79,00	1204#030024E0		
BSP 3" x 11	87,88	50	160	40	39,0	85,50	1204#03002BC0		
BSP 3.1/2 x 11	100,30	56	180	45	44,0	98,00	1204#03002P80		
BSP 4" x 11	113,00	56	180	45	44,0	110,50	1204#03003340		

G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

Maschio a macchina per fori passanti e per fori passanti e ciechi nella versione a passo sinistro

La punta a spirale spinge il truciolo avanti



Maschi a Macchina per uso generale



fori passanti fino a 4 x D
Rimozione del truciolo (v.figura)
Forma B con punta a spirale

TOL
media
materiale: HSSE

N/mm² HRC
a 900 N/mm²
27,1 HRC



Maschi a Macchina per acciai inossidabili



fori passanti fino a 2,5 x D
Rimozione del truciolo (v.figura)
Forma B con punta a spirale

TOL
media
materiale: HSSE TiAlN

N/mm² HRC
a 1300 N/mm²
41 HRC



Maschi a Macchina per uso generale Passo sinistro



fori passanti & ciechi fino a 2 x D
Rimozione del truciolo
Forma C scanalature dritte

TOL
media
materiale: HSSE

N/mm² HRC
a 900 N/mm²
27,1 HRC



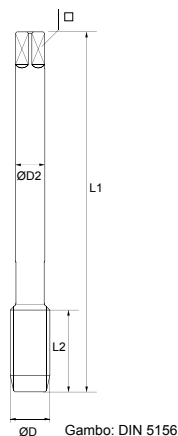
G(BSP)

	D1	D2	L1	L2	□	🔩	No.	No.	No.
BSP 1/8 x 28	9,73	7	90	20	5,5	8,80	1204#040003H0	1204#040503H0	1204#050203H0
BSP 1/4 x 19	13,16	11	100	22	9,0	11,80	1204#040006Y0	1204#040506Y0	1204#050206Y0
BSP 3/8 x 19	16,66	12	100	22	9,0	15,25	1204#04000AF0	1204#04050AF0	1204#05020AF0
BSP 1/2 x 14	20,95	16	125	25	12,0	19,00	1204#04000DW0	1204#04050DW0	1204#05020DW0
BSP 5/8 x 14	22,91	18	125	25	14,5	21,00	1204#04000HD0	1204#04050HD0	1204#05020HD0
BSP 3/4 x 14	26,44	20	140	28	16,0	24,50	1204#04000KU0	1204#04050KU0	1204#05020KU0
BSP 7/8 x 14	30,20	22	150	28	18,0	28,25	1204#04000B0	1204#04050B0	
BSP 1" x 11	33,25	25	160	30	20,0	30,75	1204#04000RS0	1204#04050RS0	1204#05020RS0
BSP 1.1/8 x 11	37,90	28	170	30	22,0	35,30	1204#04000V90	1204#04050V90	
BSP 1.1/4 x 11	41,91	32	170	30	24,0	39,50	1204#04000YQ0	1204#04050YQ0	
BSP 1.3/8 x 11	44,32	36	180	32	29,0	41,70	1204#04001270	1204#04051270	
BSP 1.1/2 x 11	47,80	36	190	32	29,0	45,25	1204#04001500	1204#04051500	
BSP 1.3/4 x 11	53,74	40	190	32	32,0	51,20	1204#04001CM0	1204#04051CM0	
BSP 2" x 11	59,61	45	220	40	35,0	57,00	1204#04001JK0	1204#04051JK0	

G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Maschi a Macchina per uso generale

fori ciechi fino a 3 x D

Rimozione del truciolo (v.figura)

Forma C 35° scanalature a spirale

TOL **N/mm² HRC**

materiale: HSSE media a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare



Maschi a Macchina per acciai inossidabili

fori ciechi fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma C 40° scanalature a spirale

TOL **N/mm² HRC**

materiale: HSSE TiAlN media a 1300 N/mm² 41 HRC

2-3 filetti

raffreddare e lubrificare



G(BSP)

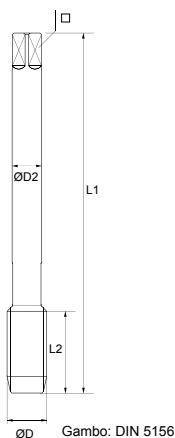
	D1	D2	L1	L2	□		No.	No.
BSP 1/8 x 28	9,73	7	90	20	5,5	8,80	1204#060003H0	1204#060503H0
BSP 1/4 x 19	13,16	11	100	22	9,0	11,80	1204#060006Y0	1204#060506Y0
BSP 3/8 x 19	16,66	12	100	22	9,0	15,25	1204#06000AF0	1204#06050AF0
BSP 1/2 x 14	20,95	16	125	25	12,0	19,00	1204#06000DW0	1204#06050DW0
BSP 5/8 x 14	22,91	18	125	25	14,5	21,00	1204#06000HD0	1204#06050HD0
BSP 3/4 x 14	26,44	20	140	28	16,0	24,50	1204#06000KU0	1204#06050KU0
BSP 7/8 x 14	30,20	22	150	28	18,0	28,25	1204#06000OB0	1204#06050OB0
BSP 1" x 11	33,25	25	160	30	20,0	30,75	1204#06000RS0	1204#06050RS0
BSP 1.1/8 x 11	37,90	28	170	30	22,0	35,30	1204#06000V90	1204#06050V90
BSP 1.1/4 x 11	41,91	32	170	30	24,0	39,50	1204#06000YQ0	1204#06050YQ0
BSP 1.3/8 x 11	44,32	36	180	32	29,0	41,70	1204#06001270	1204#06051270
BSP 1.1/2 x 11	47,80	36	190	32	29,0	45,25	1204#06001500	1204#06051500
BSP 1.3/4 x 11	53,74	40	190	32	32,0	51,20	1204#06001CM0	1204#06051CM0
BSP 2" x 11	59,61	45	220	40	35,0	57,00	1204#06001JK0	1204#06051JK0

G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

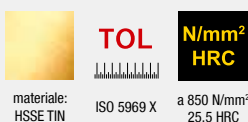
Maschi Macchina a Rullare, vantaggi:

- Nessun truciolo
- Durata fino a 20 volte più lunga (comparata agli altri maschi)
- Stessa forma per fori ciechi e passanti
- Utilizzo su ampia gamma di materiali
- Impossibile intersezione della filettatura
- Elevata fedeltà
- Resistenza della filettatura incrementata
- Miglior qualità della superficie
- Velocità di lavorazione molto più alta



Machine

Forming Taps per uso universale



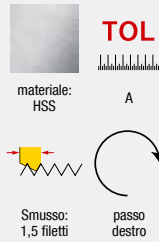
G(BSP)

	D1	D2	L1	L2	□	🔩	No.
BSP 1/8 x 28	9,73	7	90	18	5,5	9,25	1204#110003H0
BSP 1/4 x 19	13,16	11	100	22	9,0	12,50	1204#110006Y0
BSP 3/8 x 19	16,66	12	100	22	9,0	16,00	1204#11000AF0
BSP 1/2 x 14	20,95	16	125	25	12,0	20,00	1204#11000DW0
BSP 3/4 x 14	26,44	20	140	28	20,0	25,50	1204#11000KU0

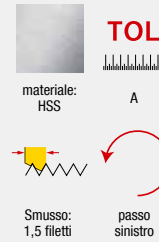
G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

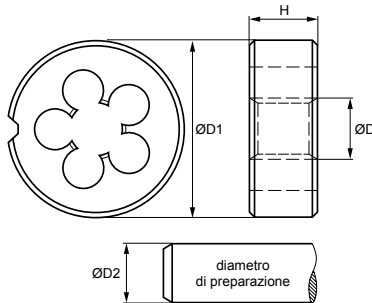
Filiera tonda per uso generale



Filiera tonda per uso generale Passo Sinistro



Filiera tonda per acciai inossidabili



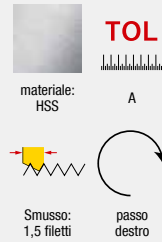
G(BSP)

	D	D1	H	D2	No.	No.	No.
BSP 1/8 x 28	9,73	30	11	9,62	1304#010003H0	1304#010203H0	1304#010503H0
BSP 1/4 x 19	13,16	38	10	13,03	1304#010006Y0	1304#010206Y0	1304#010506Y0
BSP 3/8 x 19	16,66	45	14	16,54	1304#01000AF0	1304#01020AF0	1304#01050AF0
BSP 1/2 x 14	20,95	45	14	20,81	1304#01000DW0	1304#01020DW0	1304#01050DW0
BSP 5/8 x 14	22,91	55	16	22,77	1304#01000HD0	1304#01020HD0	
BSP 3/4 x 14	26,44	55	16	26,30	1304#01000KU0	1304#01020KU0	1304#01050KU0
BSP 7/8 x 14	30,20	65	18	30,06	1304#010000B0	1304#010200B0	
BSP 1" x 11	33,25	65	18	33,07	1304#01000RS0	1304#01020RS0	1304#01050RS0
BSP 1.1/8 x 11	37,90	75	20	37,72	1304#01000V90	1304#01020V90	
BSP 1.1/4 x 11	41,91	75	20	41,73	1304#01000YQ0	1304#01020YQ0	
BSP 1.3/8 x 11	44,32	90	22	44,14	1304#01001270	1304#01021270	
BSP 1.1/2 x 11	47,80	90	22	47,62	1304#01001500	1304#01021500	
BSP 1.5/8 x 11	52,00	90	22	51,82	1304#01001950	1304#01021950	
BSP 1.3/4 x 11	53,74	105	22	53,57	1304#01001CM0	1304#01021CM0	
BSP 2" x 11	59,61	90	22	59,43	1304#01001JK0	1304#01021JK0	
BSP 2" x 11	59,61	105	22	59,43	1304#01001JX0		
BSP 2.1/4 x 11	65,71	120	22	65,49	1304#01001QI0		
BSP 2.1/2 x 11	75,18	120	22	74,97	1304#01001XG0		
BSP 2.3/4 x 11	81,53	120	22	81,32	1304#010024E0		
BSP 3" x 11	87,88	130	25	87,67	1304#01002BC0		
BSP 3.1/2 x 11	100,33	150	25	100,11	1304#01002P80		
BSP 4" x 11	113,03	160	25	112,81	1304#01003340		

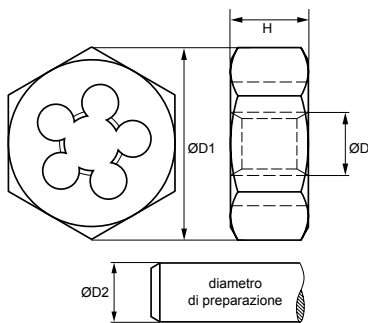
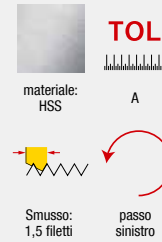
G-Rohr (BSP)

Filettatura Whitworth standard britannico / DIN ISO 228

Filiera esagonale per uso generale



Filiera esagonale per uso generale
Passo Sinistro



G(BSP)

	D	D1	H	D2	No.	No.
BSP 1/8 x 28	9,73	27	11	9,62	1304#020003HO	1304#020203HO
BSP 1/4 x 19	13,16	36	10	13,03	1304#020006YO	1304#020206YO
BSP 3/8 x 19	16,66	41	14	16,54	1304#02000AFO	1304#02020AFO
BSP 1/2 x 14	20,95	41	14	20,81	1304#02000DWO	1304#02020DWO
BSP 5/8 x 14	22,91	50	16	22,77	1304#02000HDO	1304#02020HDO
BSP 3/4 x 14	26,44	50	16	26,30	1304#02000KUO	1304#02020KUO
BSP 7/8 x 14	30,20	60	18	30,06	1304#02000BO	
BSP 1" x 11	33,25	60	18	33,07	1304#02000RSO	1304#02020RSO
BSP 1.1/8 x 11	37,90	70	20	37,72	1304#02000V9O	1304#02020V9O
BSP 1.1/4 x 11	41,91	70	20	41,73	1304#02000YQO	1304#02020YQO
BSP 1.3/8 x 11	44,32	85	22	44,14	1304#0200127O	1304#0202127O
BSP 1.1/2 x 11	47,80	85	22	47,62	1304#0200150O	1304#0202150O
BSP 1.5/8 x 11	52,00	85	22	51,82	1304#0200195O	
BSP 1.3/4 x 11	53,74	100	22	53,57	1304#02001CMO	1304#02021CMO
BSP 2" x 11	59,61	100	22	59,43	1304#02001JKO	1304#02021JKO

UNC

Filettatura Unified passo grosso / ANSI B1.1

Set di Maschi a mano, Filiere tonde e Utensili
(immagine rappresentativa)


Set UNC 1/4" - 1/2"
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13

HSS Filiere tonde UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 4-12 | 5/32-1/2 | G 1/8

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14

Estrattore di viti

 Art.:
1402#43010001

Set UNC 1/4" - 3/4"
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13 | UNC 5/8 x 11 | UNC 3/4 x 10

HSS Filiere tonde UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13 | UNC 5/8 x 11 | UNC 3/4 x 10

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18

Estrattore di viti

 Art.:
1402#43010002

Set UNC 1/4" - 1"
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13 | UNC 5/8 x 11 | UNC 3/4 x 10 | UNC 7/8 x 9 | UNC 1" x 8

HSS Filiere tonde UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13 | UNC 5/8 x 11 | UNC 3/4 x 10 | UNC 7/8 x 9 | UNC 1" x 8

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 11-27 | 7/16-1" | G 1/4-3/4

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18 | 55 x 22

Estrattore di viti

 Art.:
1402#43010003

Set UNC 1/4" - 1.1/2"
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13 | UNC 5/8 x 11 | UNC 3/4 x 10 | UNC 7/8 x 9 | UNC 1" x 8 | UNC 1.1/8" x 7 | UNC 1.1/4" x 7 | UNC 1.1/2" x 6

HSS Filiere tonde UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13 | UNC 5/8 x 11 | UNC 3/4 x 10 | UNC 7/8 x 9 | UNC 1" x 8 | UNC 1.1/8" x 7 | UNC 1.1/4" x 7 | UNC 1.1/2" x 6

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2 & M 13-32 | 1/2 - 1.1/4" | G 1/4-1"

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18 | 55 x 22 | 65 x 25

Estrattore di viti

 Art.:
1402#43010004

Set UNC & UNF 1/4" - 3/4"
HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

 HSSG Set Maschi a Mano (3 pezzi) UNC UNC 1/4 | UNC 5/16 | UNC 3/8 | UNC 7/16 | UNC 1/2 | UNC 5/8 | UNC 3/4
 HSSG Set Maschi a Mano (2 pezzi) UNF UNF 1/4 | UNF 5/16 | UNF 3/8 | UNF 7/16 | UNF 1/2 | UNF 5/8 | UNF 3/4

 HSS Filiere tonde UNC UNC 1/4 | UNC 5/16 | UNC 3/8 | UNC 7/16 | UNC 1/2 | UNC 5/8 | UNC 3/4
 HSS Filiere tonde UNF UNF 1/4 | UNF 5/16 | UNF 3/8 | UNF 7/16 | UNF 1/2 | UNF 5/8 | UNF 3/4

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18

Estrattore di viti

 Art.:
1402#43010005

UNC

Filettatura Unified passo grosso / ANSI B1.1

BAER Maschi Corti a Macchina e Filiere tonde UNC 1/4" - 1/2"

(immagine rappresentativa)



Set UNC 1/4" - 1/2"
HSSG Maschi Corti a Macchina, Punte da trapano e
HSS Filiere tonde

HSSG Short Maschi a Macchina Forma D per fori passanti & ciechi (fino a 4 x D) UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13

HSSG Punte da trapano 5,2 mm | 6,6 mm | 8,0 mm | 9,4 mm | 10,8 mm

HSS Filiere tonde UNC 1/4 x 20 | UNC 5/16 x 18 | UNC 3/8 x 16 | UNC 7/16 x 14 | UNC 1/2 x 13

Art.:
1402#5000001




UNC

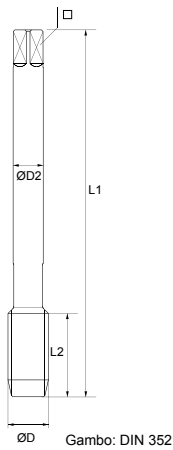
Filettatura Unified passo grosso / ANSI B1.1

Tagliente interno efficiente

La struttura corta lo rende adatto all'uso a mano ma anche a macchina

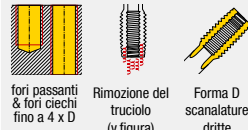
Set a mano, include 3 maschi:

-  Maschio sgrassatore
-  Maschio intermedio
-  Maschio finitore



Maschi Corti a Macchina

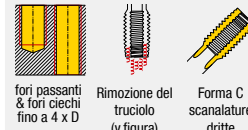
Forma D per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 4 x D
Rimozione del truciolo (v.figura)
Forma D scanalature dritte



Set Maschi a Mano per uso generale



fori passanti & fori ciechi fino a 4 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte



Set Maschi a Mano per uso generale

Passo Sinistro



fori passanti & fori ciechi fino a 4 x D
Rimozione del truciolo (v.figura)
Forma D scanalature dritte



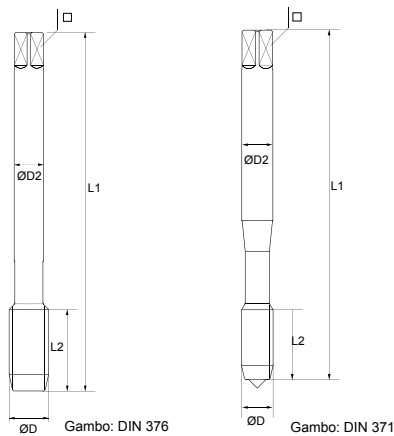
UNC

	D1	D2	L1	L2			No.	No.	No.
UNC No 1 x 64	1,85	2,5	32	10	2,10	1,50		1202#03000L80	
UNC No 2 x 56	2,18	2,8	36	11	2,10	1,80		1202#03000NS0	
UNC No 3 x 48	2,52	2,8	36	11	2,10	2,10		1202#03000QC0	
UNC No 4 x 40	2,85	3,5	40	12	2,70	2,30		1202#03000V00	
UNC No 5 x 40	3,18	3,5	40	12	2,70	2,60		1202#03000YGO	
UNC No 6 x 32	3,51	4	45	14	3,00	2,85		1202#03001100	1202#03021100
UNC No 8 x 32	4,17	4,5	45	14	3,40	3,50		1202#030019C0	1202#030219C0
UNC No 10 x 24	4,83	6	50	16	4,90	3,90		1202#03001HG0	1202#03021HG0
UNC No 12 x 24	5,49	6	50	18	4,90	4,50		1202#03001N00	1202#03021N00
UNC 1/4 x 20	6,35	6	50	19	4,90	5,20	1202#01001Y00	1202#03001Y00	1202#03021Y00
UNC 5/16 x 18	7,94	6	56	22	4,90	6,60	1202#01002EM0	1202#03002EM0	1202#03022EM0
UNC 3/8 x 16	9,53	7	70	24	5,50	8,00	1202#01002V80	1202#03002V80	1202#03022V80
UNC 7/16 x 14	11,11	8	70	24	6,20	9,40	1202#01003BU0	1202#03003BU0	1202#03023BU0
UNC 1/2 x 13	12,70	9	75	29	7,00	10,80	1202#01003Y90	1202#03003Y90	1202#03023Y90
UNC 9/16 x 12	14,29	11	80	30	9,00	12,20	1202#01004BW0	1202#03004BW0	1202#03024BW0
UNC 5/8 x 11	15,88	12	80	32	9,00	13,50	1202#01004SJ0	1202#03004SJ0	1202#03024SJ0
UNC 3/4 x 10	19,05	14	95	40	11,00	16,50	1202#01005SM0	1202#03005SM0	1202#03025SM0
UNC 7/8 x 9	22,23	18	100	40	14,50	19,50	1202#01006PX0	1202#03006PX0	1202#03026PX0
UNC 1" x 8	25,40	18	110	50	14,50	22,25	1202#01007Q00	1202#03007Q00	1202#03027Q00
UNC 1.1/8 x 7	28,58	22	132	56	18,00	25,00		1202#03008NB0	
UNC 1.1/4 x 7	31,75	22	132	56	18,00	28,25		1202#03009NF0	
UNC 1.3/8 x 6	34,93	28	150	63	22,00	30,75		1202#0300AM40	
UNC 1.1/2 x 6	38,10	32	150	63	24,00	34,00		1202#0300BKU0	
UNC 1.5/8 x 5	41,28	32	160	70	24,00	37,10		1202#0300CJJ0	
UNC 1.3/4 x 5	44,45	36	160	70	29,00	39,50		1202#0300DI90	
UNC 1.7/8 x 4,5	47,63	36	190	80	29,00	42,00		1202#0300EGY0	
UNC 2" x 4,5	50,80	40	190	80	32,00	45,00		1202#0300FF00	
UNC 2.1/4 x 4,5	57,15	45	220	80	35,00	51,50		1202#0300HD40	
UNC 2.1/2 x 4	63,50	50	220	80	39,00	57,25		1202#0300JAK0	
UNC 2.3/4 x 4	69,85	50	240	80	39,00	63,50		1202#0300L800	
UNC 3" x 4	73,20	50	260	80	39,00	70,00		1202#0300N5G0	

UNC

Filettatura Unified passo grosso / ANSI B1.1

- ✓ Maschi a macchina e fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Maschi a Macchina per uso generale

fori passanti fino a 4 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

TOL

materiale: HSSG

2B

N/mm² HRC

fino a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare



Maschi a Macchina per acciaio inossidabile

fori passanti fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

TOL

materiale: HSSE-TiAlN

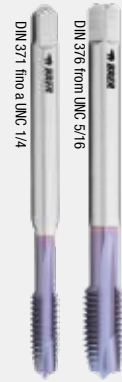
2B

N/mm² HRC

fino a 1300 N/mm² 41 HRC

4-5 filetti

raffreddare e lubrificare



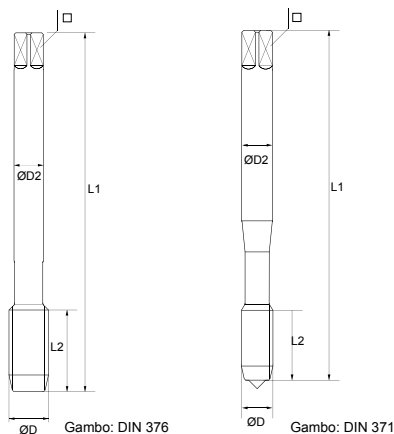
UNC

	D1	D2	L1	L2			No.	No.
DIN 371								
UNC No 2 x 56	2,18	2,8	45	8	2,10	1,85		1202#04050NS1
UNC No 3 x 48	2,52	2,8	50	9	2,10	2,10		1202#04050QC1
UNC No 4 x 40	2,85	3,5	50	10	2,70	2,30	1202#04000V01	1202#04050V01
UNC No 5 x 40	3,18	3,5	56	11	2,70	2,60	1202#04000YG1	1202#04050YG1
UNC No 6 x 32	3,51	4,0	56	12	3,00	2,85	1202#04001101	1202#04051101
UNC No 8 x 32	4,17	4,5	63	13	3,40	3,50	1202#040019C1	1202#040519C1
UNC No 10 x 24	4,83	6,0	70	15	4,90	3,90	1202#04001HG1	1202#04051HG1
UNC No 12 x 24	5,49	6,0	70	16	4,90	4,50	1202#04001N01	1202#04051N01
UNC 1/4 x 20	6,35	7,0	80	17	5,50	5,20	1202#04001Y01	1202#04051Y01
UNC 5/16 x 18	7,94	8,0	90	20	6,20	6,60	1202#04002EM1	
UNC 3/8 x 16	9,53	9,0	100	22	7,00	8,00	1202#04002V81	
DIN 376								
UNC No 4 x 40	2,85	1,8	50	10	-	2,30	1202#04000V06	
UNC No 5 x 40	3,18	2,2	56	11	1,80	2,60	1202#04000YG6	
UNC No 6 x 32	3,51	2,5	56	12	2,10	2,85	1202#04001106	
UNC No 8 x 32	4,17	2,8	63	13	2,10	3,50	1202#040019C6	
UNC No 10 x 24	4,83	3,5	70	15	2,70	3,90	1202#04001HG6	
UNC No 12 x 24	5,49	3,5	70	16	2,70	4,50	1202#04001N06	
UNC 1/4 x 20	6,35	4,5	80	17	3,40	5,20	1202#04001Y06	
UNC 5/16 x 18	7,94	6,0	90	20	4,90	6,60	1202#04002EM6	1202#04052EM6
UNC 3/8 x 16	9,53	7,0	100	22	5,50	8,00	1202#04002V86	1202#04052V86
UNC 7/16 x 14	11,11	8,0	100	22	6,20	9,40	1202#04003BU6	1202#04053BU6
UNC 1/2 x 13	12,70	9,0	110	25	7,00	10,80	1202#04003Y96	1202#04053Y96
UNC 9/16 x 12	14,29	11,0	110	26	9,00	12,20	1202#04004BW6	1202#04054BW6
UNC 5/8 x 11	15,88	12,0	110	27	9,00	13,50	1202#04004SJ6	1202#04054SJ6
UNC 3/4 x 10	19,05	14,0	125	30	11,00	16,50	1202#04005SM6	1202#04055SM6
UNC 7/8 x 9	22,23	18,0	140	32	14,50	19,50	1202#04006PX6	1202#04056PX6
UNC 1" x 8	25,40	20,0	160	36	16,00	22,25	1202#04007Q06	1202#04057Q06
UNC 1.1/4 x 7	31,75	22,0	180	40	18,00	28,25	1202#04009NF6	
UNC 1.1/2 x 6	38,10	32,0	200	50	24,00	34,00	1202#0400BKU6	
UNC 1.3/4 x 5	44,45	36,0	220	65	29,00	39,50	1202#0400DI96	
UNC 2" x 4,5	50,80	40,0	250	70	32,00	45,00	1202#0400FF06	

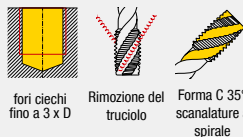
UNC

Filettatura Unified passo grosso / ANSI B1.1

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Maschi a Macchina per uso generale



fori ciechi fino a 3 x D
Rimozione del truciolo
Forma C 35° scanalature a spirale



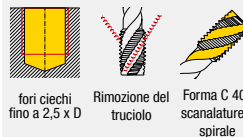
materiale: HSSG
2B
a 900 N/mm²
27,1 HRC



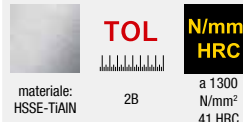
2-3 filetti
raffreddare e lubrificare
passo destro



Maschi a Macchina per acciai inossidabili



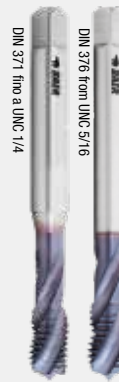
fori ciechi fino a 2,5 x D
Rimozione del truciolo
Forma C 40° scanalature a spirale



materiale: HSSE-TiAIN
2B
a 1300 N/mm²
41 HRC



2-3 filetti
raffreddare e lubrificare
passo destro


UNC

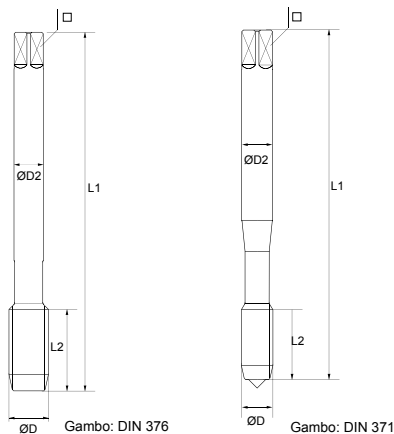
	D1	D2	L1	L2			No.	No.
DIN 371								
UNC No 2 x 56	2,18	2,8	45	6	2,10	1,85		1202#06050NS1
UNC No 3 x 48	2,52	2,8	50	7	2,10	2,10		1202#06050QC1
UNC No 4 x 40	2,85	3,5	50	6	2,70	2,30	1202#06000V01	1202#06050V01
UNC No 5 x 40	3,18	3,5	56	7	2,70	2,60	1202#06000YG1	1202#06050YG1
UNC No 6 x 32	3,51	4,0	56	7	3,00	2,85	1202#06001101	1202#06051101
UNC No 8 x 32	4,17	4,5	63	8	3,40	3,50	1202#060019C1	1202#060519C1
UNC No 10 x 24	4,83	6,0	70	10	4,90	3,90	1202#06001HG1	1202#06051HG1
UNC No 12 x 24	5,49	6,0	70	10	4,90	4,50	1202#06001N01	1202#06051N01
UNC 1/4 x 20	6,35	7,0	80	13	5,50	5,20	1202#06001Y01	1202#06051Y01
UNC 5/16 x 18	7,94	8,0	90	14	6,20	6,60	1202#06002EM1	
UNC 3/8 x 16	9,53	9,0	100	16	7,00	8,00	1202#06002V81	
DIN 376								
UNC No 4 x 40	2,85	1,8	50	10	-	2,30	1202#06000V06	
UNC No 5 x 40	3,18	2,2	56	11	1,80	2,60	1202#06000YG6	
UNC No 6 x 32	3,51	2,5	56	12	2,10	2,85	1202#06001106	
UNC No 8 x 32	4,17	2,8	63	13	2,10	3,50	1202#060019C6	
UNC No 10 x 24	4,83	3,5	70	15	2,70	3,90	1202#06001HG6	
UNC No 12 x 24	5,49	3,5	70	16	2,70	4,50	1202#06001N06	
UNC 1/4 x 20	6,35	4,5	80	17	3,40	5,20	1202#06001Y06	
UNC 5/16 x 18	7,94	6,0	90	20	4,90	6,60	1202#06002EM6	1202#06052EM6
UNC 3/8 x 16	9,53	7,0	100	22	5,50	8,00	1202#06002V86	1202#06052V86
UNC 7/16 x 14	11,11	8,0	100	22	6,20	9,40	1202#06003BU6	1202#06053BU6
UNC 1/2 x 13	12,70	9,0	110	25	7,00	10,80	1202#06003Y96	1202#06053Y96
UNC 9/16 x 12	14,29	11,0	110	26	9,00	12,20	1202#06004BW6	1202#06054BW6
UNC 5/8 x 11	15,88	12,0	110	27	9,00	13,50	1202#06004SJ6	1202#06054SJ6
UNC 3/4 x 10	19,05	14,0	125	30	11,00	16,50	1202#06005SM6	1202#06055SM6
UNC 7/8 x 9	22,23	18,0	140	32	14,50	19,50	1202#06006PX6	1202#06056PX6
UNC 1" x 8	25,40	20,0	160	36	16,00	22,25	1202#06007Q06	1202#06057Q06
UNC 1.1/4 x 7	31,75	22,0	180	40	18,00	28,25	1202#06009NF6	
UNC 1.1/2 x 6	38,10	32,0	200	50	24,00	34,00	1202#0600BKU6	
UNC 1.3/4 x 5	44,45	36,0	220	65	29,00	39,50	1202#0600DI96	
UNC 2" x 4,5	50,80	40,0	250	70	32,00	45,00	1202#0600FF06	

UNC

Filettatura Unified passo grosso / ANSI B1.1

Maschi Macchina a Rullare, vantaggi:

- Nessun truciolo
- Durata fino a 20 volte più lunga (comparata ad altri maschi)
- Stessa forma per fori ciechi e passanti
- Utilizzo su ampia gamma di materiali
- Impossibile intersezione della filettatura
- Elevata fedeltà
- Resistenza della filettatura incrementata
- Miglior qualità della superficie
- Velocità di lavorazione molto più alta



Maschi a Rullare per uso universale

fori passanti & fori ciechi fino a 2,5 x D

Filettatura senza truciolo-truciolo

con gole per olio

TOL

materiale: HSSE TIN

2BX

N/mm² HRC

a 850 N/mm² 25,5 HRC

2-3 filetti

raffreddare e lubrificare

passo destro



UNC

	D1	D2	L1	L2	□	🔩	No.
UNC No 4 x 40	2,85	3,5	56	11	2,70	2,55	1202#11000V00
UNC No 5 x 40	3,18	3,5	56	10	2,70	2,65	1202#11000YG0
UNC No 6 x 32	3,51	4,0	56	12	3,00	3,15	1202#11001100
UNC No 8 x 32	4,17	4,5	63	13	3,40	3,80	1202#110019C0
UNC No 10 x 24	4,83	6,0	70	15	4,90	4,35	1202#11001HGO
UNC No 12 x 24	5,49	6,0	80	16	4,90	5,00	1202#11001N00
UNC 1/4 x 20	6,35	7,0	80	17	5,50	5,75	1202#11001Y00
UNC 5/16 x 18	7,94	8,0	90	20	6,20	7,30	1202#11002EM0
UNC 3/8 x 16	9,53	10,0	100	22	8,00	8,80	1202#11002V80
UNC 7/16 x 14	11,11	8,0	100	22	6,20	10,25	1202#11003BU0
UNC 1/2 x 13	12,70	9,0	110	25	7,00	11,80	1202#11003Y90
UNC 9/16 x 12	14,29	11,0	110	26	9,00	13,30	1202#11004BW0
UNC 5/8 x 11	15,88	12,0	110	27	9,00	14,80	1202#11004SJ0
UNC 3/4 x 10	19,05	14,0	125	30	11,00	17,85	1202#11005SM0



UNC

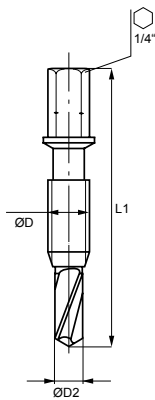
Filettatura Unified passo grosso / ANSI B1.1

Tagliente interno efficiente
con avvitatori elettrici a
batteria (min. 7,5 Volt)

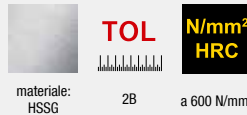
Foratura e filettatura in un
unico processo fluido

Applicazione:


-  materiali non abrasivi
fino a 600 N/mm²
-  acciaio non legato e
bassamente legato



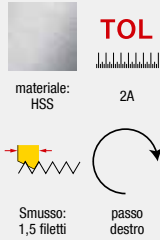
Maschio bit combinato per fori passanti



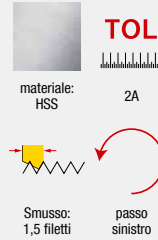
UNC

	D1	D2	L1		No.
UNC No 4 x 40	2,85	2,3	36	1/4"	1202#13000V00
UNC No 5 x 40	3,18	2,6	36	1/4"	1202#13000YGO
UNC No 6 x 32	3,51	2,9	39	1/4"	1202#13001100
UNC No 8 x 32	4,17	3,5	39	1/4"	1202#130019C0
UNC No 10 x 24	4,83	3,9	41	1/4"	1202#13001HG0
UNC No 12 x 24	5,49	4,5	41	1/4"	1202#13001N00
UNC 1/4 x 20	6,35	5,2	44	1/4"	1202#13001Y00
UNC 5/16 x 18	7,94	6,6	50	1/4"	1202#13002EM0
UNC 3/8 x 16	9,53	8,0	59	1/4"	1202#13002V80

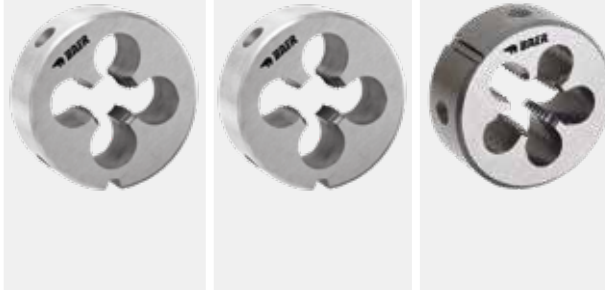
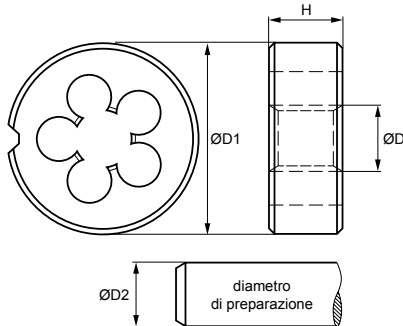
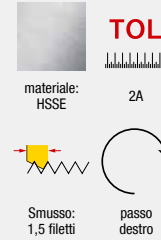
Filiera tonda per uso generale



Filiera tonda per uso generale Passo Sinistro



Filiera tonda per acciai inossidabili



UNC

	D	D1	H	D2	No.	No.	No.
UNC No 1 x 64	1,85	16	5	1,79	1302#01000L80		
UNC No 2 x 56	2,18	16	5	2,12	1302#01000NS0		
UNC No 3 x 48	2,52	16	5	2,44	1302#01000QC0		
UNC No 4 x 40	2,85	20	5	2,76	1302#01000V00		1302#01050V00
UNC No 5 x 40	3,18	20	5	3,09	1302#01000YG0		
UNC No 6 x 32	3,51	20	7	3,41	1302#01001100	1302#01021100	1302#01051100
UNC No 8 x 32	4,17	20	7	4,07	1302#010019C0	1302#010219C0	1302#010519C0
UNC No 10 x 24	4,83	20	7	4,71	1302#01001HG0	1302#01021HG0	
UNC No 12 x 24	5,49	20	7	5,37	1302#01001N00		
UNC 1/4 x 20	6,35	20	7	6,22	1302#01001Y00	1302#01021Y00	1302#01051Y00
UNC 5/16 x 18	7,94	25	9	7,80	1302#01002EM0	1302#01022EM0	1302#01052EM0
UNC 3/8 x 16	9,53	30	11	9,37	1302#01002V80	1302#01022V80	1302#01052V80
UNC 7/16 x 14	11,11	30	11	10,95	1302#01003BU0	1302#01023BU0	
UNC 1/2 x 13	12,70	38	14	12,52	1302#01003Y90	1302#01023Y90	
UNC 9/16 x 12	14,29	38	14	14,10	1302#01004BW0	1302#01024BW0	
UNC 5/8 x 11	15,88	45	18	15,68	1302#01004SJ0	1302#01024SJ0	
UNC 3/4 x 10	19,05	45	18	18,84	1302#01005SM0	1302#01025SM0	
UNC 7/8 x 9	22,23	55	22	22,00	1302#01006PX0	1302#01026PX0	
UNC 1" x 8	25,40	55	22	25,16	1302#01007Q00	1302#01027Q00	
UNC 1.1/8 x 7	28,58	65	25	28,31	1302#01008NB0		
UNC 1.1/4 x 7	31,75	65	25	31,49	1302#01009NF0		
UNC 1.3/8 x 6	34,93	65	25	34,63	1302#0100AM40		
UNC 1.1/2 x 6	38,10	65	25	37,80	1302#0100BKU0		
UNC 1.1/2 x 6	38,10	75	30	37,80	1302#0100BKX0		
UNC 1.5/8 x 5	41,28	75	30	40,95	1302#0100CJJ0		
UNC 1.3/4 x 5	44,45	90	36	44,12	1302#0100DI90		
UNC 1.7/8 x 4,5	47,63	90	36	47,30	1302#0100EGY0		
UNC 2" x 4,5	50,80	90	36	50,45	1302#0100FF00		

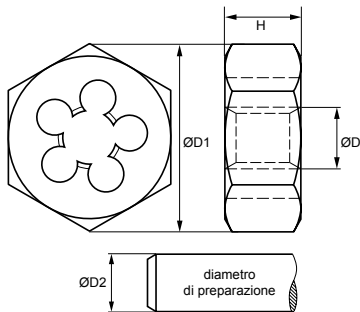
**Filiera
Esagonale
per uso generale**



materiale: HSS 2A



Smusso: 1,5 filetti passo destro



UNC

	D	D1	H	D2	No.
UNC 1/4 x 20	6,35	19	7	6,22	1302#02001Y00
UNC 5/16 x 18	7,94	22	9	7,80	1302#02002EMO
UNC 3/8 x 16	9,53	27	11	9,37	1302#02002V80
UNC 7/16 x 14	11,11	27	11	10,95	1302#02003BU0
UNC 1/2 x 13	12,70	36	14	12,52	1302#02003Y90
UNC 9/16 x 12	14,29	36	14	14,10	1302#02004BWO
UNC 5/8 x 11	15,88	41	18	15,68	1302#02004SJ0
UNC 3/4 x 10	19,05	41	18	18,84	1302#02005SM0
UNC 7/8 x 9	22,23	50	22	22,00	1302#02006PX0
UNC 1" x 8	25,40	50	22	25,16	1302#02007Q00
UNC 1.1/8 x 7	28,58	60	25	28,31	1302#02008NBO
UNC 1.1/4 x 7	31,75	60	25	31,49	1302#02009NFO
UNC 1.3/8 x 6	34,93	60	25	34,63	1302#0200AM40
UNC 1.1/2 x 6	38,10	70	30	37,80	1302#0200BKU0

Set di Maschi a mano, Filiere tonde e Utensili (immagine rappresentativa)



Set UNF 1/4" - 1/2"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi) UNF 1/4 x 28 | UNF 5/16 x 24 | UNF 3/8 x 24 | UNF 7/16 x 20 | UNF 1/2 x 20

HSS Filiere tonde UNF 1/4 x 28 | UNF 5/16 x 24 | UNF 3/8 x 24 | UNF 7/16 x 20 | UNF 1/2 x 20

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 4-12 | 5/32-1/2 | G 1/8

Portafiliera - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 10

Estrattore di viti

Art.:
1403#43010001

Set UNF 1/4" - 3/4"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi) UNF 1/4 x 28 | UNF 5/16 x 24 | UNF 3/8 x 24 | UNF 7/16 x 20 | UNF 1/2 x 20 | UNF 5/8 x 18 | UNF 3/4 x 16

HSS Filiere tonde UNF 1/4 x 28 | UNF 5/16 x 24 | UNF 3/8 x 24 | UNF 7/16 x 20 | UNF 1/2 x 20 | UNF 5/8 x 18 | UNF 3/4 x 16

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2

Portafiliera - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 10 | 45 x 14

Estrattore di viti

Art.:
1403#43010002

Set UNF 1/4" - 1"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi) UNF 1/4 x 28 | UNF 5/16 x 24 | UNF 3/8 x 24 | UNF 7/16 x 20 | UNF 1/2 x 20 | UNF 5/8 x 18 | UNF 3/4 x 16 | UNF 7/8 x 14 | UNF 1" x 12

HSS Filiere tonde UNF 1/4 x 28 | UNF 5/16 x 24 | UNF 3/8 x 24 | UNF 7/16 x 20 | UNF 1/2 x 20 | UNF 5/8 x 18 | UNF 3/4 x 16 | UNF 7/8 x 14 | UNF 1" x 12

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 11-27 | 7/16-1" | G 1/4-3/4

Portafiliera - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 10 | 45 x 14 | 55 x 16

Estrattore di viti

Art.:
1403#43010003

Set UNC & UNF 1/4" - 3/4"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) UNC UNF 1/4 | UNC 5/16 | UNC 3/8 | UNC 7/16 | UNC 1/2 | UNC 5/8 | UNC 3/4
HSSG Set Maschi a Mano (2 pezzi) UNF UNF 1/4 | UNF 5/16 | UNF 3/8 | UNF 7/16 | UNF 1/2 | UNF 5/8 | UNF 3/4

HSS Filiere tonde UNC UNC 1/4 | UNC 5/16 | UNC 3/8 | UNC 7/16 | UNC 1/2 | UNC 5/8 | UNC 3/4
HSS Filiere tonde UNF UNF 1/4 | UNF 5/16 | UNF 3/8 | UNF 7/16 | UNF 1/2 | UNF 5/8 | UNF 3/4

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2

Portafiliera - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18

Estrattore di viti

Art.:
1402#43010005

UNF

Filettatura Unified passo fine / ANSI B1.1

Maschi Corti a Macchina e Filiere tonde UNF 1/4" - 1/2"

(immagine rappresentativa)



Set UNF 1/4" - 1/2"

HSSG Maschi Corti a Macchina, Punte da trapano e HSS Filiere tonde

HSSG Maschi a Macchina Corti Forma D per fori passanti & ciechi (fino a 4 x D)	UNF 1/4 x 28 UNF 5/16 x 24 UNF 3/8 x 24 UNF 7/16 x 20 UNF 1/2 x 20
HSSG Punte da trapano	5,5 mm 6,9 mm 8,5 mm 9,9 mm 11,5 mm
HSS Filiere tonde	UNF 1/4 x 28 UNF 5/16 x 24 UNF 3/8 x 24 UNF 7/16 x 20 UNF 1/2 x 20

Art.:
1403#5000001

UNF

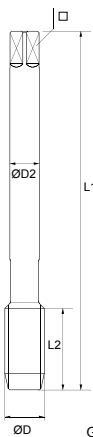
Filettatura Unified passo fine / ANSI B1.1

Tagliente interno efficiente

La struttura corta lo rende adatto all'uso a mano ma anche a macchina

Set Maschi a Mano include 2 maschi:

- Maschio sgrossatore
- Maschio finitore



Gambo: DIN 2181

Maschi Corti a Macchina

Forma D per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 4 x D
Rimozione del truciolo (v.figura)
Forma D scanalature dritte



materiale: HSSG 2B a 900 N/mm² 27,1 HRC



Set Maschi a Mano

per uso generale



fori passanti & ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte



materiale: HSSG 2B a 900 N/mm² 27,1 HRC



Set Maschi a Mano

per uso generale

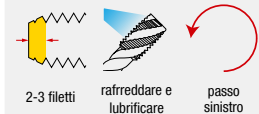
Passo Sinistro



fori passanti & ciechi fino a 2 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte



materiale: HSSG 2B a 900 N/mm² 27,1 HRC

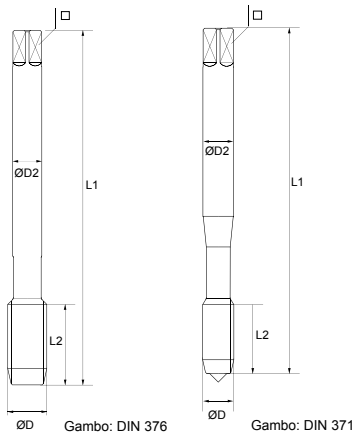

UNF

	D1	D2	L1	L2			No.	No.	No.
UNF No 0 x 80	1,52	2,5	28	8	2,1	1,30		1203#03000280	
UNF No 1 x 72	1,85	2,8	32	9	2,1	1,60		1203#03000LGO	
UNF No 2 x 64	2,18	2,8	32	10	2,1	1,90		1203#03000000	
UNF No 3 x 56	2,52	2,8	32	10	2,1	2,10		1203#03000QK0	
UNF No 4 x 48	2,85	3,5	36	11	2,7	2,40		1203#03000VW0	
UNF No 5 x 44	3,18	3,5	36	11	2,7	2,70		1203#03000YK0	
UNF No 6 x 40	3,51	4,5	40	12	3,4	3,00		1203#03001180	
UNF No 8 x 36	4,17	4,5	40	12	3,4	3,50		1203#030019G0	
UNF No 10 x 32	4,83	6,0	45	14	4,9	4,10		1203#03001H00	1203#03021H00
UNF No 12 x 28	5,49	6,0	50	14	4,9	4,70		1203#03001N40	
UNF 1/4 x 28	6,35	6,0	50	18	4,9	5,50	1203#01001Y80	1203#03001Y80	1203#03021Y80
UNF 5/16 x 24	7,94	6,0	56	22	4,9	6,90	1203#01002ES0	1203#03002ES0	1203#03022ES0
UNF 3/8 x 24	9,53	7,0	63	22	5,5	8,50	1203#01002VG0	1203#03002VG0	1203#03022VG0
UNF 7/16 x 20	11,11	8,0	63	22	6,2	9,90	1203#01003C00	1203#03003C00	1203#03023C00
UNF 1/2 x 20	12,70	9,0	75	24	7,0	11,50	1203#01003VG0	1203#03003VG0	1203#03023VG0
UNF 9/16 x 18	14,29	11,0	80	28	9,0	12,90	1203#01004C20	1203#03004C20	1203#03024C20
UNF 5/8 x 18	15,88	12,0	80	28	9,0	14,50	1203#01004SQ0	1203#03004SQ0	1203#03024SQ0
UNF 3/4 x 16	19,05	14,0	95	32	11,0	17,50	1203#01005SS0	1203#03005SS0	1203#03025SS0
UNF 7/8 x 14	22,23	18,0	100	36	14,5	20,25	1203#01006Q20	1203#03006Q20	1203#03026Q20
UNF 1" x 12	25,40	18,0	110	40	14,5	23,25	1203#01007Q40	1203#03007Q40	1203#03027Q40
UNF 1" x 14	25,40	18,0	110	40	14,5	23,30		1203#03007Q60	
UNF 1.1/8 x 12	28,58	22,0	110	50	18,0	26,50		1203#03008NG0	
UNF 1.1/4 x 12	31,75	22,0	132	56	18,0	29,50		1203#03009NM0	
UNF 1.3/8 x 12	34,93	28,0	132	56	22,0	32,50		1203#0300AKK0	
UNF 1.1/2 x 12	38,10	32,0	150	63	24,0	36,00		1203#0300BL00	

UNF

Filettatura Unified passo fine / ANSI B1.1

- ✓ Maschi a macchina e fori passanti
- ✓ La punta a spirale spinge il truciolo avanti



Maschi a Macchina per uso generale

fori passanti fino a 4 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

TOL

materiale: HSSG

2B

N/mm² HRC

fino a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare

passo destro



Maschi a Macchina per acciai inossidabili

fori passanti fino a 2,5 x D

Rimozione del truciolo (v.figura)

Forma B con punta a spirale

TOL

materiale: HSSE-TiAIN

2B

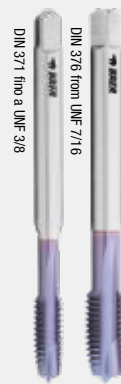
N/mm² HRC

fino a 1300 N/mm² 41 HRC

4-5 filetti

raffreddare e lubrificare

passo destro

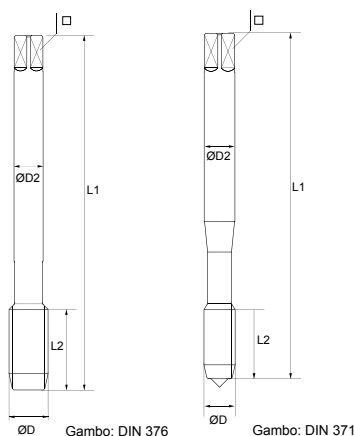

UNF

	D1	D2	L1	L2			No.	No.
UNF No 3 x 56	2,52	2,8	50	9	2,1	2,10		1203#04050QK1
UNF No 4 x 48	2,85	3,5	50	10	2,7	2,40	1203#04000VW1	1203#04050VW1
UNF No 5 x 44	3,18	3,5	56	11	2,7	2,70	1203#04000YK1	1203#04050YK1
UNF No 6 x 40	3,51	4,0	56	12	3,0	3,00	1203#04001181	1203#04051181
UNF No 8 x 36	4,17	4,5	63	13	3,4	3,50	1203#040019G1	1203#040519G1
UNF No 10 x 32	4,83	6,0	70	15	4,9	4,10	1203#04001H01	1203#04051H01
UNF No 12 x 28	5,49	6,0	70	16	4,9	4,70	1203#04001N41	1203#04051N41
UNF 1/4 x 28	6,35	7,0	80	17	5,5	5,50	1203#04001Y81	1203#04051Y81
UNF 5/16 x 24	7,94	8,0	90	17	6,2	6,90	1203#04002ES1	1203#04052ES6
UNF 3/8 x 24	9,53	9,0	100	18	7,0	8,50	1203#04002VG1	1203#04052VG6
UNF 7/16 x 20	11,11	8,0	100	22	6,2	9,90	1203#04003C06	1203#04053C06
UNF 1/2 x 20	12,70	9,0	100	22	7,0	11,50	1203#04003VG6	1203#04053VG6
UNF 9/16 x 18	14,29	11,0	100	22	9,0	12,90	1203#04004C26	1203#04054C26
UNF 5/8 x 18	15,88	12,0	100	22	9,0	14,50	1203#04004SQ6	1203#04054SQ6
UNF 3/4 x 16	19,05	14,0	110	25	11,0	17,50	1203#04005SS6	1203#04055SS6
UNF 7/8 x 14	22,23	18,0	140	26	14,5	20,25	1203#04006Q26	1203#04056Q26
UNF 1" x 12	25,40	20,0	150	28	16,0	23,25	1203#04007Q46	1203#04057Q46
UNF 1" x 14	25,40	20,0	150	28	16,0	23,30	1203#04007Q66	
UNF 1.1/4 x 12	31,75	22,0	150	30	18,0	29,50	1203#04009NM6	
UNF 1.1/2 x 12	38,10	32,0	170	33	24,0	36,00	1203#0400BL06	

UNF

Filettatura Unified passo fine / ANSI B1.1

- ✓ Maschio a macchina per fori ciechi
- ✓ Le scanalature a spirale facilitano l'estrazione del truciolo dai fori ciechi



Maschi a Macchina per uso generale



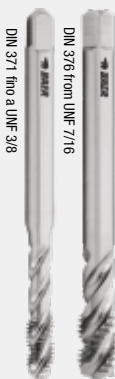
fori ciechi fino a 3 x D
Rimozione del truciolo
Forma C 35° scanalature a spirale



materiale: HSSG
TOL
2B
N/mm² HRC
fino a 900 N/mm²
27,1 HRC



2-3 filetti
raffreddare e lubrificare
passo destro



Maschi a Macchina per acciai inossidabili



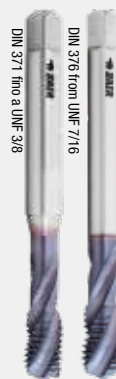
fori ciechi fino a 2,5 x D
Rimozione del truciolo
Forma C 40° scanalature a spirale



materiale: HSSE-TAIN
TOL
2B
N/mm² HRC
fino a 1300 N/mm²
41 HRC



2-3 filetti
raffreddare e lubrificare
passo destro


UNF

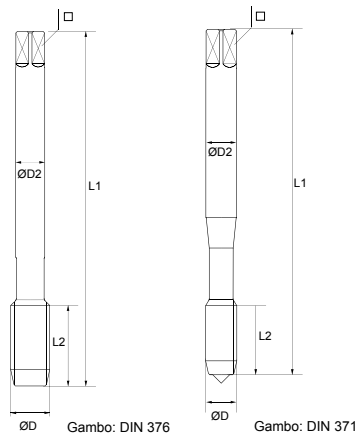
	D1	D2	L1	L2			No.	No.
UNF No 3 x 56	2,52	2,8	50	6	2,1	2,10		1203#06050QK1
UNF No 4 x 48	2,85	3,5	50	6	2,7	2,40	1203#06000VW1	1203#06050VW1
UNF No 5 x 44	3,18	3,5	56	7	2,7	2,70	1203#06000YK1	1203#06050YK1
UNF No 6 x 40	3,51	4,0	56	7	3,0	3,00	1203#06001181	1203#06051181
UNF No 8 x 36	4,17	4,5	63	8	3,4	3,50	1203#060019G1	1203#060519G1
UNF No 10 x 32	4,83	6,0	70	10	4,9	4,10	1203#06001H01	1203#06051H01
UNF No 12 x 28	5,49	6,0	70	10	4,9	4,70	1203#06001N41	1203#06051N41
UNF 1/4 x 28	6,35	7,0	80	10	5,5	5,50	1203#06001Y81	1203#06051Y81
UNF 5/16 x 24	7,94	8,0	90	10	6,2	6,90	1203#06002ES1	1203#06052ES6
UNF 3/8 x 24	9,53	9,0	100	10	7,0	8,50	1203#06002VG1	1203#06052VG6
UNF 7/16 x 20	11,11	8,0	100	13	6,2	9,90	1203#06003C06	1203#06053C06
UNF 1/2 x 20	12,70	9,0	100	13	7,0	11,50	1203#06003VG6	1203#06053VG6
UNF 9/16 x 18	14,29	11,0	100	15	9,0	12,90	1203#06004C26	1203#06054C26
UNF 5/8 x 18	15,88	12,0	100	15	9,0	14,50	1203#06004SQ6	1203#06054SQ6
UNF 3/4 x 16	19,05	14,0	110	17	11,0	17,50	1203#06005SS6	1203#06055SS6
UNF 7/8 x 14	22,23	18,0	140	17	14,5	20,25	1203#06006Q26	1203#06056Q26
UNF 1" x 12	25,40	20,0	150	20	16,0	23,25	1203#06007Q46	1203#06057Q46
UNF 1" x 14	25,40	20,0	150	20	16,0	23,30	1203#06007Q66	
UNF 1.1/4 x 12	31,75	22,0	150	22	18,0	29,50	1203#06009NM6	
UNF 1.1/2 x 12	38,10	32,0	170	25	24,0	36,00	1203#0600BL06	

UNF

Filettatura Unified passo fine / ANSI B1.1

Maschi Macchina a Rullare, vantaggi:

- Nessun truciolo
- Durata fino a 20 volte più lunga (comparata ad altri maschi)
- Stessa forma per fori ciechi e passanti
- Utilizzo su ampia gamma di materiali
- Impossibile intersezione della filettatura
- Elevata fedeltà
- Resistenza della filettatura incrementata
- Miglior qualità della superficie
- Velocità di lavorazione molto più alta



Maschi a Rullare per uso universale

fori passanti & fori ciechi fino a 2,5 x D

Filettatura senza truciolo-truciolo

con gole per olio

materiale: HSSE TIN

2BX

a 850 N/mm² 25,5 HRC

2-3 filetti

raffreddare e lubrificare

passo destro

UNF

	D1	D2	L1	L2	□	🔩	No.
UNF No 2 x 64	2,18	2,8	45	7	2,1	2,02	1203#11000000
UNF No 4 x 48	2,85	3,5	56	11	2,7	2,62	1203#11000VW0
UNF No 6 x 40	3,51	4,0	56	12	3,0	3,22	1203#11001180
UNF No 8 x 36	4,17	4,5	63	13	3,4	3,85	1203#110019G0
UNF No 10 x 32	4,83	6,0	70	15	4,9	4,45	1203#11001H00
UNF 1/4 x 28	6,35	7,0	80	17	5,5	5,95	1203#11001Y80
UNF 5/16 x 24	7,94	8,0	90	17	6,2	7,45	1203#11002ES0
UNF 3/8 x 24	9,53	10,0	90	18	8,0	9,05	1203#11002VG0
UNF 7/16 x 20	11,11	8,0	100	22	6,2	10,55	1203#11003C00
UNF 1/2 x 20	12,70	9,0	100	22	7,0	12,15	1203#11003VG0
UNF 5/8 x 18	15,88	12,0	100	22	9,0	15,25	1203#11004SQ0
UNF 3/4 x 16	19,05	14,0	110	25	11,0	18,35	1203#11005SS0



UNF

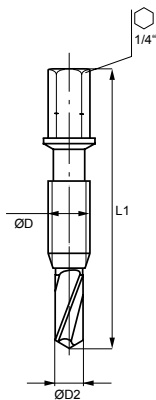
Filettatura Unified passo fine / ANSI B1.1

Tagliente interno efficiente con avvitatori a batteria (min. 7,5 Volt)

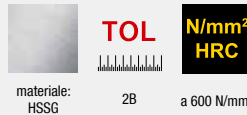
Foratura e filettatura in un unico processo fluido

Applicazione:


-  materiali non abrasivi fino a 600 N/mm²
-  acciaio non legato e bassamente legato

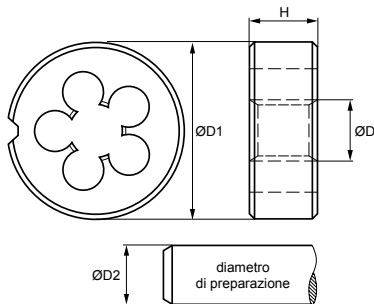


Maschio bit combinato per fori passanti

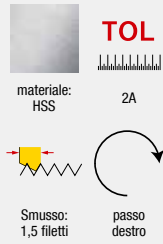


UNF

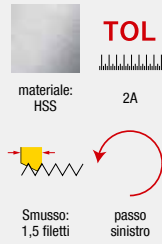
	D1	D2	L1		No.
UNF No 4 x 48	2,85	2,4	36	1/4"	1203#13000VW0
UNF No 5 x 44	3,18	2,7	36	1/4"	1203#13000YK0
UNF No 6 x 40	3,51	3,0	39	1/4"	1203#13001180
UNF No 8 x 36	4,17	3,5	39	1/4"	1203#130019G0
UNF No 10 x 32	4,83	4,1	41	1/4"	1203#13001H00
UNF No 12 x 28	5,49	4,7	41	1/4"	1203#13001N40
UNF 1/4 x 28	6,35	5,5	44	1/4"	1203#13001Y80
UNF 5/16 x 24	7,94	6,9	50	1/4"	1203#13002ES0
UNF 3/8 x 24	9,53	8,5	59	1/4"	1203#13002VG0



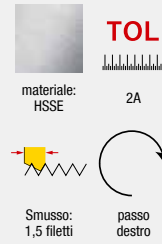
Filiera tonda per uso generale



Filiera tonda per uso generale Passo Sinistro



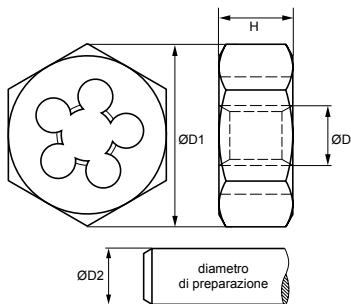
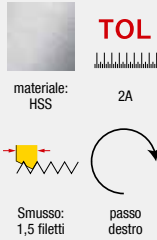
Filiera tonda per acciai inossidabili



UNF

	D	D1	H	D2	No.	No.	No.
UNF NR. 0 x 80	1,52	16	5	1,47	1303#01000280		
UNF NR. 1 x 72	1,85	16	5	1,79	1303#01000LGO		
UNF NR. 2 x 64	2,18	16	5	2,12	1303#01000000		
UNF NR. 3 x 56	2,52	16	5	2,44	1303#01000QKO		
UNF NR. 4 x 48	2,85	20	5	2,77	1303#01000VWO		
UNF NR. 5 x 44	3,18	20	5	3,10	1303#01000YKO		
UNF NR. 6 x 40	3,51	20	5	3,42	1303#01001180		
UNF NR. 8 x 36	4,17	20	7	4,08	1303#010019G0		
UNF NR. 10 x 32	4,83	20	7	4,73	1303#01001H00	1303#01021H00	1303#01051H00
UNF NR. 12 x 28	5,49	20	7	5,38	1303#01001N40		
UNF 1/4 x 28	6,35	20	7	6,24	1303#01001Y80	1303#01021Y80	1303#01051Y80
UNF 5/16 x 24	7,94	25	9	7,82	1303#01002ESO	1303#01022ESO	1303#01052ESO
UNF 3/8 x 24	9,53	30	11	9,41	1303#01002VGO	1303#01022VGO	1303#01052VGO
UNF 7/16 x 20	11,11	30	11	10,98	1303#01003C00	1303#01023C00	1303#01053C00
UNF 1/2 x 20	12,70	38	10	12,56	1303#01003VGO	1303#01023VGO	
UNF 9/16 x 18	14,29	38	10	14,14	1303#01004C20	1303#01024C20	
UNF 5/8 x 18	15,88	45	14	15,73	1303#01004SQ0	1303#01024SQ0	
UNF 3/4 x 16	19,05	45	14	18,89	1303#01005SS0	1303#01025SS0	
UNF 7/8 x 14	22,23	55	16	22,05	1303#01006Q20	1303#01026Q20	
UNF 1" x 12	25,40	55	16	25,21	1303#01007Q40	1303#01027Q40	
UNF 1" x 14	25,40	55	16	25,23	1303#01007Q60		
UNF 1.1/8 x 12	28,58	65	18	28,38	1303#01008NG0		
UNF 1.1/4 x 12	31,75	65	18	31,55	1303#01009NM0		
UNF 1.3/8 x 12	34,93	65	18	34,73	1303#0100AKKO		
UNF 1.1/2 x 12	38,10	65	18	37,90	1303#0100BL00		
UNF 1.1/2 x 12	38,10	75	20	37,90	1303#0100BLX0		

Filiera Esagonale
per uso generale



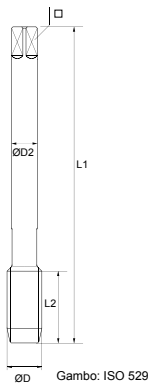
UNF

	D	D1	H	D2	No.
UNF 1/4 x 28	6,35	19	7	6,24	1303#02001Y80
UNF 5/16 x 24	7,94	22	9	7,82	1303#02002ES0
UNF 3/8 x 24	9,53	27	11	9,41	1303#02002VG0
UNF 7/16 x 20	11,11	27	11	10,98	1303#02003C00
UNF 1/2 x 20	12,70	36	10	12,56	1303#02003VG0
UNF 9/16 x 18	14,29	36	10	14,14	1303#02004C20
UNF 5/8 x 18	15,88	41	14	15,73	1303#02004SQ0
UNF 3/4 x 16	19,05	41	14	18,89	1303#02005SS0
UNF 7/8 x 14	22,23	50	16	22,05	1303#02006Q20
UNF 1" x 12	25,40	50	16	25,21	1303#02007Q40
UNF 1.1/8 x 12	28,58	60	18	28,38	1303#02008NG0
UNF 1.1/4 x 12	31,75	60	18	31,55	1303#02009NM0
UNF 1.3/8 x 12	34,93	60	18	34,73	1303#0200AKK0
UNF 1.1/2 x 12	38,10	70	20	37,90	1303#0200BL00

UNS

Filettatura Unified speciale / filetti per pollici (TPI)

- ✓ Maschi a macchina per fori passanti e ciechi
- ✓ Lo smusso corto di entrata rende questo rubinetto di applicazione universale. Le scanalature possono contenere la maggior parte dei trucioli



Maschi a Macchina Forma C per fori passanti e fori ciechi

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo

Forma C scanalature dritte

materiale: HSSG 2B a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro

Filiera tonda per uso generale

materiale: HSS 2A

Smusso: 1,75 filetti

passo destro

UNS	D1	D2	L1	L2	□	🔩	No.
UNS 1/4 x 24	6,35	6,3	66	19	5,0	5,40	1214#05001Y40
UNS 1/4 x 36	6,35	6,3	66	19	5,0	5,70	1214#05001YGO
UNS 1/4 x 40	6,35	6,3	66	19	5,0	5,75	1214#05001YKO
UNS 3/8 x 27	9,53	10,0	80	24	8,0	8,35	1214#05002VJO
UNS 7/16 x 24	11,11	8,0	85	25	6,3	10,10	1214#05003C40
UNS 1/2 x 24	12,70	9,0	89	29	7,1	11,75	1214#05003VK0
UNS 5/8 x 27	15,88	12,5	102	32	10,0	14,70	1214#05004SZ0
UNS 3/4 x 24	19,05	14,0	112	37	11,2	18,00	1214#05005T00
UNS 7/8 x 18	22,23	16,0	118	38	12,5	21,00	1214#05006Q60
UNS 1" x 14	25,40	18,0	130	45	14,0	23,75	1214#05007Q60

UNS	D	D1	H	D2	No.
UNS 1/4 x 24	6,35	20	7	6,24	1314#01001Y40
UNS 1/4 x 36	6,35	20	5	6,26	1314#01001YGO
UNS 1/4 x 40	6,35	20	5	6,27	1314#01001YKO
UNS 3/8 x 27	9,53	30	11	9,41	1314#01002VJO
UNS 7/16 x 24	11,11	30	11	11,00	1314#01003C40
UNS 1/2 x 24	12,70	38	10	12,59	1314#01003VK0
UNS 5/8 x 27	15,88	45	14	15,76	1314#01004SZ0
UNS 7/8 x 18	22,23	55	16	22,08	1314#01006Q60
UNS 1" x 14	25,40	55	16	25,23	1314#01007Q60

UNEF

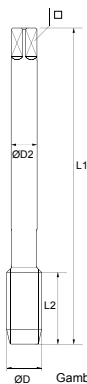
Filettatura Unified passo extra fine / ANSI B1.1

Tagliente interno efficiente

La struttura corta del maschio contenuto in questo set lo rende idoneo all'uso a mano e a macchina

Set Maschi a Mano include 2 maschi:

- Maschio sgrossatore
- Maschio finitore



Gambo: ISO 529

Set Maschi a Mano per uso generale

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG 2B a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro

Maschi a Macchina Forma C per fori passanti e fori ciechi

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG 2B a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

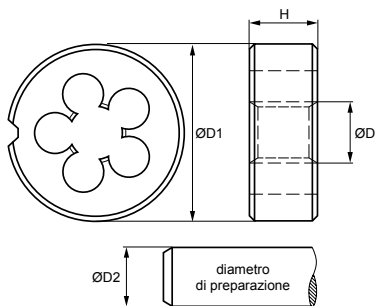
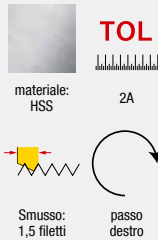
passo destro



UNEF

	D1	D2	L1	L2			No.	No.
UNEF No 12 x 32	5,49	5,6	62	17	4,5	4,75		1215#05000N40
UNEF 1/4 x 32	6,35	6,3	66	19	5,0	5,60	1215#03131YC0	1215#05001YC0
UNEF 5/16 x 32	7,94	8,0	72	22	6,3	7,20	1215#03132F00	1215#05002F00
UNEF 3/8 x 32	9,53	10,0	80	24	8,0	8,80	1215#03132V00	1215#05002V00
UNEF 7/16 x 28	11,11	8,0	85	25	6,3	10,25	1215#03133C80	1215#05003C80
UNEF 1/2 x 28	12,70	9,0	89	29	7,1	11,80	1215#03133V00	1215#05003V00
UNEF 9/16 x 24	14,29	11,2	95	30	9,0	13,30	1215#03134C80	1215#05004C80
UNEF 5/8 x 24	15,88	12,5	102	32	10,0	14,90	1215#03134SW0	1215#05004SW0
UNEF 11/16 x 24	17,46	14,0	112	37	11,2	16,50		1215#050059K0
UNEF 3/4 x 20	19,05	14,0	112	37	11,2	17,75	1215#03135SW0	1215#05005SW0
UNEF 13/16 x 20	20,64	16,0	118	38	12,5	19,50		1215#050069K0
UNEF 7/8 x 20	22,23	16,0	118	38	12,5	21,00	1215#03136Q80	1215#05006Q80
UNEF 15/16 x 20	23,81	18,0	130	45	14,0	22,50		1215#050076W0
UNEF 1" x 20	25,40	16,0	130	45	14,0	24,25	1215#03137QC0	1215#05007QC0
UNEF 1.1/16 x 18	26,99	20,0	138	48	16,0	25,70		1215#050086Y0
UNEF 1.1/8 x 18	28,58	20,0	138	48	16,0	27,25		1215#05008NMO
UNEF 1.3/16 x 18	30,16	22,4	151	51	18,0	28,75		1215#050094A0
UNEF 1.1/4 x 18	31,75	22,4	151	51	18,0	30,50		1215#05009NQ0
UNEF 1.5/16 x 18	33,34	25,0	162	57	20,0	32,00		1215#0500A4E0
UNEF 1.3/8 x 18	34,93	25,0	162	57	20,0	33,50		1215#0500AL20
UNEF 1.7/16 x 18	36,51	28,0	170	60	22,4	35,20		1215#0500B1Q0
UNEF 1.1/2 x 18	38,10	28,0	170	60	22,4	36,80		1215#0500BL60
UNEF 1.9/16 x 18	39,69	28,0	170	60	22,4	38,40		1215#0500C1U0
UNEF 1.5/8 x 18	41,28	28,0	170	60	22,4	40,00		1215#0500CIIO
UNEF 1.11/16 x 18	42,86	31,5	187	67	25,0	41,50		1215#0500CZ60
UNEF 1.3/4 x 18	44,45	31,5	187	67	25,0	43,00		1215#0500DIM0
UNEF 2" x 18	50,80	35,5	200	70	28,0	49,50		1215#0500FG20

Filiera tonda
per uso generale



UNEF

	D	D1	H	D2	No
UNEF No 12 x 32	5,49	20	7	5,39	1315#01000N40
UNEF 1/4 x 32	6,35	20	7	6,25	1315#01001YC0
UNEF 5/16 x 32	7,94	25	9	7,84	1315#01002F00
UNEF 3/8 x 32	9,53	30	11	9,42	1315#01002V00
UNEF 7/16 x 28	11,11	30	11	11,00	1315#01003C80
UNEF 1/2 x 28	12,70	38	10	12,59	1315#01003V00
UNEF 9/16 x 24	14,29	38	10	14,17	1315#01004C80
UNEF 5/8 x 24	15,88	45	14	15,75	1315#01004SW0
UNEF 11/16 x 24	17,46	45	14	17,33	1315#010059K0
UNEF 3/4 x 20	19,05	45	14	18,91	1315#01005SW0
UNEF 13/16 x 20	20,64	55	16	20,50	1315#010069K0
UNEF 7/8 x 20	22,23	55	16	22,09	1315#01006Q80
UNEF 15/16 x 20	23,81	55	16	23,67	1315#010076W0
UNEF 1" x 20	25,40	55	16	25,26	1315#01007QC0
UNEF 1.1/16 x 18	26,99	65	18	26,84	1315#010086Y0
UNEF 1.1/8 x 18	28,58	65	18	28,58	1315#01008NM0
UNEF 1.3/16 x 18	30,23	65	18	30,16	1315#010094A0
UNEF 1.1/4 x 18	31,75	65	18	31,75	1315#01009NQ0
UNEF 1.5/16 x 18	33,34	65	18	33,34	1315#0100A4E0
UNEF 1.3/8 x 18	34,93	65	18	34,93	1315#0100AL20
UNEF 1.7/16 x 18	36,51	75	20	36,51	1315#0100B1Q0
UNEF 1.1/2 x 18	38,10	75	20	38,10	1315#0100BL60

8-UN

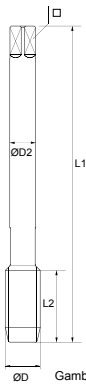
Filettatura Unified con 8 filetti per passo (TPI)

Tagliente interno efficiente.

La struttura corta del maschio contenuto in questo set lo rende idoneo all'uso a mano e a macchina

Set Maschi a Mano include 2 maschi:

- Maschio sgrossatore
- Maschio finitore



Gambo: ISO 529

Set Maschi a Mano per uso generale

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG

2B

fino a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro

Maschi a Macchina Forma C per fori passanti e fori ciechi

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG

2B

fino a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro



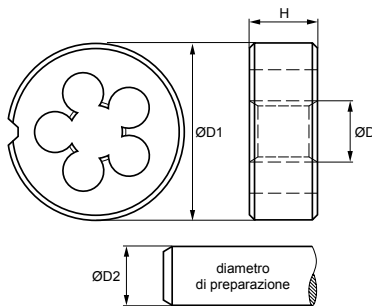
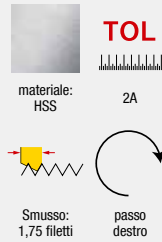
8-UN

	D1	D2	L1	L2			No.	No.
UN 1.1/16 x 8	26,99	20,0	138	48	16,0	23,90	1216#03008600	1216#05008600
UN 1.1/8 x 8	28,58	20,0	138	48	16,0	25,50	1216#03008NCO	1216#05008NCO
UN 1.3/16 x 8	30,16	22,4	151	51	18,0	27,10	1216#03009400	1216#05009400
UN 1.1/4 x 8	31,75	22,4	151	51	18,0	28,75	1216#03009NGO	1216#05009NGO
UN 1.5/16 x 8	33,34	25,0	162	57	20,0	30,30	1216#0300A440	1216#0500A440
UN 1.3/8 x 8	34,93	25,0	162	57	20,0	31,75	1216#0300AKSO	1216#0500AKSO
UN 1.1/2 x 8	38,10	28,0	170	60	22,4	35,00	1216#0300BKWO	1216#0500BKWO
UN 1.5/8 x 8	41,28	28,0	170	60	22,4	38,00	1216#0300CI80	1216#0500CI80
UN 1.3/4 x 8	44,45	31,5	187	67	25,0	41,50	1216#0300CYWO	1216#0500CYWO
UN 1.7/8 x 8	47,63	31,5	187	67	25,0	44,50	1216#0300DICO	1216#0500DICO
UN 2" x 8	50,80	35,5	200	70	28,0	47,75	1216#0300FFSO	1216#0500FFSO
UN 2.1/8 x 8	53,98	35,5	200	70	28,0	50,90	1216#0300GD40	1216#0500GD40
UN 2.1/4 x 8	57,15	40,0	221	76	31,5	54,00	1216#0300HD80	1216#0500HD80
UN 2.1/2 x 8	63,50	40,0	224	79	31,5	60,40	1216#0300JA00	1216#0500JA00
UN 2.3/4 x 8	69,85	45,0	234	79	35,5	66,70	1216#0300L840	1216#0500L840
UN 3" x 8	76,20	50,0	258	83	40,0	73,10	1216#0300N5K0	1216#0500N5K0
UN 3.1/4 x 8	82,55	50,0	261	86	40,0	79,40	1216#0300P300	1216#0500P300
UN 3.1/2 x 8	88,90	50,0	261	86	40,0	85,80	1216#0300ROGO	1216#0500ROGO
UN 3.3/4 x 8	95,25	56,0	279	89	45,0	92,10	1216#0300SXWO	1216#0500SXWO
UN 4" x 8	101,60	56,0	279	89	45,0	98,50	1216#0300UVCO	1216#0500UVCO

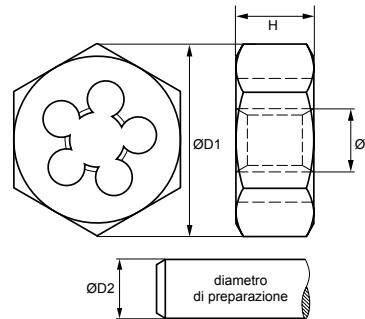
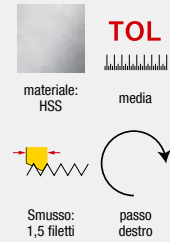
8-UN

Filettatura Unified con 8 filetti per passo (TPI)

Filiera tonda per uso generale



Filiera Esagonale per uso generale



8-UN

	D	D1	H	D2	No.
UN 1.1/8 x 8	28,58	65	25	28,33	1316#01008NCO
UN 1.1/4 x 8	31,75	65	25	31,51	1316#01009NGO
UN 1.3/8 x 8	34,93	65	25	34,68	1316#0100AKSO
UN 1.1/2 x 8	38,10	75	20	37,85	1316#0100BKWO
UN 1.3/4 x 8	44,45	90	22	44,20	1316#0100CYWO
UN 2" x 8	50,80	90	22	50,55	1316#0100FFSO

8-UN

	D	D1	H	D2	No.
UN 1.1/8 x 8	28,58	60	25	28,33	1316#02008NCO
UN 1.1/4 x 8	31,75	60	25	31,51	1316#02009NGO
UN 1.3/8 x 8	34,93	60	25	34,68	1316#0200AKSO
UN 1.1/2 x 8	38,10	60	25	37,85	1316#0200BKWO
UN 1.5/8 x 8	41,28	70	30	41,03	1316#0200CI80
UN 1.3/4 x 8	44,45	85	36	44,20	1316#0200CYWO
UN 1.7/8 x 8	47,63	85	22	47,38	1316#0200DICO
UN 2" x 8	50,80	85	22	50,55	1316#0200FFSO
UN 2.1/8 x 8	53,98	85	22		1316#0200GD40
UN 2.1/4 x 8	57,15	100	22		1316#0200HD80
UN 2.1/2 x 8	63,50	115	22		1316#0200JAOO

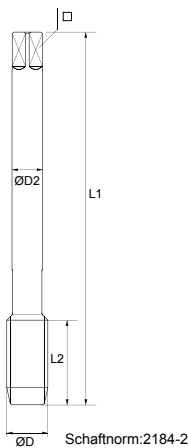
12-UN

Filettatura Unified con 12 filetti per pollici (TPI)

Tagliente interno efficiente. La struttura corta lo rende adatto all'uso a mano ma anche a macchina

Il set include 2-3 maschi:

- Maschio sgrossatore (maschio intermedio)
- Maschio finitore



Set Maschi a Mano per uso generale

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG 2B a 750 N/mm²

2-3 filetti

raffreddare e lubrificare

passo destro

Maschi a Macchina Forma C per fori passanti e fori ciechi

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG 2B a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

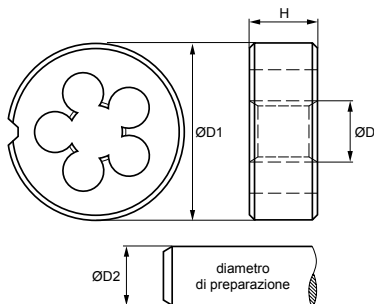
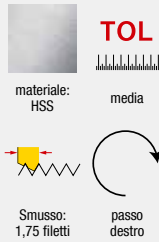
passo destro



12-UN

	D1	D2	L1	L2	□		No.	No.
UN 1/2 x 12	12,70	9,0	75	25	7,0	10,65	1217#03003V80	
UN 5/8 x 12	15,88	12,0	80	25	9,0	13,80	1217#03004SK0	
UN 11/16 x 12	17,46	14,0	80	25	11,0	15,40	1217#03005980	
UN 3/4 x 12	19,05	14,0	80	25	11,0	17,00	1217#03005S00	
UN 13/16 x 12	20,64	16,0	80	25	12,0	18,60	1217#030069C0	
UN 7/8 x 12	22,23	18,0	80	25	14,5	20,20	1217#03006Q00	
UN 15/16 x 12	23,81	18,0	90	25	14,5	21,80	1217#03007600	
UN 1.1/16 x 12	26,99	20,0	90	28	16,0	24,90	1217#030086S0	
UN 1.3/16 x 12	30,16	22,0	90	28	18,0	28,10	1217#03009440	
UN 1.5/16 x 12	33,34	28,0	125	32	22,0	31,30	1217#0300A480	
UN 1.7/16 x 12	36,51	28,0	125	32	22,0	34,50	1217#0300B1K0	
UN 1.5/8 x 12	41,28	32,0	125	32	24,0	39,20	1217#0300CIC0	1217#0500CIC0
UN 1.3/4 x 12	44,45	36,0	125	32	29,0	42,40	1217#0300DIG0	1217#0500DIG0
UN 1.7/8 x 12	47,63	36,0	140	32	29,0	45,60	1217#0300EFS0	1217#0500EFS0
UN 2 x 12	50,80	40,0	140	32	32,0	48,75	1217#0300FFW0	1217#0500FFW0
UN 2.1/8 x 12	53,98	35,5	200	70	28,0	51,90		1217#0500GD80
UN 2.1/4 x 12	57,15	40,0	221	76	31,5	55,10		1217#0500HDC0
UN 2.1/2 x 12	63,50	40,0	224	79	31,5	61,50		1217#0500JAS0
UN 2.3/4 x 12	69,85	45,0	234	79	35,5	67,80		1217#0500L880
UN 3" x 12	76,20	50,0	258	83	40,0	74,20		1217#0500N500
UN 3.1/4 x 12	82,55	50,0	261	86	40,0	80,50		1217#0500P340
UN 3.1/2 x 12	88,90	50,0	261	86	40,0	86,90		1217#0500R0K0
UN 3.3/4 x 12	95,25	56,0	279	89	45,0	93,20		1217#0500SY00
UN 4" x 12	101,60	56,0	279	89	45,0	99,60		1217#0500UVG0

Filiera tonda
per uso generale



12-UN

	D	D1	H	D2	No.
UN 1.1/16 x 12	26,99	65	18	26,80	1317#010086S0
UN 1.5/16 x 12	33,34	65	18	33,15	1317#0100A480
UN 1.5/8 x 12	41,28	75	20	41,09	1317#0100CICO
UN 1.3/4 x 12	44,45	90	22	44,26	1317#0100DIGO
UN 2" x 12	50,80	90	22	50,61	1317#0100FFW0

BSW

Filettatura British standard BS 84 passo Whitworth

**Set di Maschi a mano,
Filiere tonda e Utensili**
(immagine rappresentativa)



Set BSW 1/8" - 1/2"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) BSW 1/8 x 40 | BSW 3/16 x 24 | BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12

HSS Filiere tonde BSW 1/8 x 40 | BSW 3/16 x 24 | BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 4-12 | 5/32-1/2 | G 1/8

Portafilere - zincato 20 x 5 | 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14

Estrattore di viti

Art.:
1406#43010001

Set BSW 1/4" - 1/2"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12

HSS Filiere tonde BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 4-12 | 5/32-1/2 | G 1/8

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14

Estrattore di viti

Art.:
1406#43010002

Set BSW 1/4" - 3/4"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12 | BSW 5/8 x 11 | BSW 3/4 x 10

HSS Filiere tonde BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12 | BSW 5/8 x 11 | BSW 3/4 x 10

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18

Estrattore di viti

Art.:
1406#43010003

Set BSW 1/4" - 1"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12 | BSW 5/8 x 11 | BSW 3/4 x 10 | BSW 7/8 x 9 | BSW 1" x 8

HSS Filiere tonde BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12 | BSW 5/8 x 11 | BSW 3/4 x 10 | BSW 7/8 x 9 | BSW 1" x 8

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 11-27 | 7/16-1" | G 1/4-3/4

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18 | 55 x 22

Estrattore di viti

Art.:
1406#43010004

Set BSW 1/4" - 1.1/2"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12 | BSW 5/8 x 11 | BSW 3/4 x 10 | BSW 7/8 x 9 | BSW 1" x 8 | BSW 1.1/8" x 7 | BSW 1.1/4" x 7 | BSW 1.3/8" x 6 | BSW 1.1/2" x 6

HSS Filiere tonde BSW 1/4 x 20 | BSW 5/16 x 18 | BSW 3/8 x 16 | BSW 7/16 x 14 | BSW 1/2 x 12 | BSW 5/8 x 11 | BSW 3/4 x 10 | BSW 7/8 x 9 | BSW 1" x 8 | BSW 1.1/8" x 7 | BSW 1.1/4" x 7 | BSW 1.3/8" x 6 | BSW 1.1/2" x 6

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4 | G 1/8-1/2 & M 13-32 | 1/2-1.1/4" | G 1/4-1"

Portafilere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18 | 55 x 22 | 65 x 25

Estrattore di viti

Art.:
1406#43010005

BSW

Filettatura British standard BS 84 passo Whitworth

Maschi Corti a Macchina e Filiere tonde Sets BSW 1/4" - 1/2"
(immagine rappresentativa)



Set BSW 1/4" - 1/2"
HSSG Maschi Corti a Macchina, Punte da trapano e
HSS Filiera tonda

HSSG Short Maschi a Macchina Forma C per fori passanti & ciechi (fino a 4 x D)	BSW 1/4 x 20 BSW 5/16 x 18 BSW 3/8 x 16 BSW 7/16 x 14 BSW 1/2 x 12
HSSG Punte da trapano	5,1 mm 6,5 mm 7,9 mm 9,3 mm 10,5 mm
HSS Filiere tonde	BSW 1/4 x 20 BSW 5/16 x 18 BSW 3/8 x 16 BSW 7/16 x 14 BSW 1/2 x 12

Art.:
1406#5000001

BSW

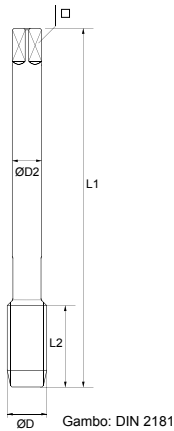
Filettatura British standard BS 84 passo Whitworth

Tagliente interno efficiente

La struttura corta lo rende adatto all'uso a mano ma anche a macchina

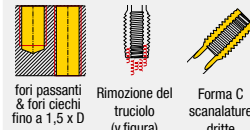
Set a mano, include 3 maschi:

- Maschio sgrassatore
- Maschio intermedio
- Maschio finitore



Maschi Corti a Macchina

Forma C per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 1,5 x D

Rimozione del truciolo (v.figura)

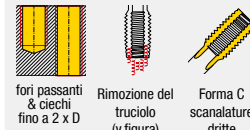
Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG media fino a 900 N/mm² 27,1 HRC



Set Maschi a Mano per uso generale



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG media fino a 900 N/mm² 27,1 HRC



Set Maschi a Mano per uso generale

Passo Sinistro



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG media fino a 900 N/mm² 27,1 HRC



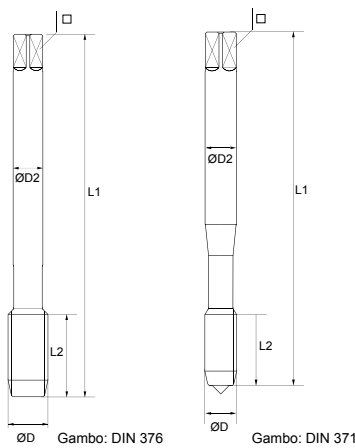
BSW

	D1	D2	L1	L2			No.	No.	No.
BSW 1/16 x 60	1,59	2,5	36	10	2,1	1,20	1206#010001Q0	1206#030001Q0	
BSW 3/32 x 48	2,38	2,8	36	10	2,1	1,90	1206#010002L0	1206#030002L0	
BSW 1/8 x 40	3,18	3,5	40	12	2,7	2,60	1206#010003H0	1206#030003H0	1206#030203H0
BSW 5/32 x 32	3,97	4,5	45	14	3,4	3,20	1206#010004C0	1206#030004C0	1206#030204C0
BSW 3/16 x 24	4,76	6,0	50	18	4,9	3,80	1206#01000570	1206#03000570	1206#03020570
BSW 7/32 x 24	5,56	6,0	50	18	4,9	4,60	1206#01000620	1206#03000620	
BSW 1/4 x 20	6,35	6,0	50	19	4,9	5,10	1206#010006Y0	1206#030006Y0	1206#030206Y0
BSW 5/16 x 18	7,94	6,0	56	22	4,9	6,50	1206#01000800	1206#03000800	1206#03020800
BSW 3/8 x 16	9,53	7,0	70	24	5,5	7,90	1206#01000AF0	1206#03000AF0	1206#03020AF0
BSW 7/16 x 14	11,11	8,0	70	24	6,2	9,30	1206#01000C50	1206#03000C50	1206#03020C50
BSW 1/2 x 12	12,70	9,0	75	29	7,0	10,50	1206#01000DW0	1206#03000DW0	1206#03020DW0
BSW 9/16 x 12	14,29	11,0	80	30	9,0	12,00	1206#01000FM0	1206#03000FM0	1206#03020FM0
BSW 5/8 x 11	15,88	12,0	80	32	9,0	13,50	1206#01000HD0	1206#03000HD0	1206#03020HD0
BSW 3/4 x 10	19,05	14,0	95	40	11,0	16,50	1206#01000KU0	1206#03000KU0	1206#03020KU0
BSW 7/8 x 9	22,23	18,0	100	40	14,5	19,50	1206#010000B0	1206#030000B0	1206#030200B0
BSW 1" x 8	25,40	18,0	110	50	14,5	22,00	1206#01000RS0	1206#03000RS0	1206#03020RS0
BSW 1.1/8 x 7	28,58	22,0	132	56	18,0	25,00	1206#01000V90	1206#03000V90	
BSW 1.1/4 x 7	31,75	22,0	132	56	18,0	28,00	1206#01000YQ0	1206#03000YQ0	
BSW 1.3/8 x 6	34,93	28,0	150	63	22,0	30,50	1206#01001270	1206#03001270	
BSW 1.1/2 x 6	38,10	32,0	150	63	24,0	33,50	1206#01001500	1206#03001500	
BSW 1.5/8 x 5	41,28	32,0	160	70	24,0	35,50	1206#01001950	1206#03001950	
BSW 1.3/4 x 5	44,45	36,0	160	70	29,0	39,00	1206#01001CM0	1206#03001CM0	
BSW 1.7/8 x 4,5	47,63	36,0	190	80	29,0	41,50	1206#01001G30	1206#03001G30	
BSW 2" x 4,5	50,80	40,0	190	80	32,0	44,50	1206#01001JK0	1206#03001JK0	
BSW 2.1/4 x 4	57,15	45,0	220	80	35,0	50,00	1206#01001QI0	1206#03001QI0	
BSW 2.1/2 x 4	63,50	50,0	220	80	39,0	56,50	1206#01001XG0	1206#03001XG0	
BSW 2.3/4 x 3,5	69,85	50,0	240	80	39,0	62,00	1206#010024E0	1206#030024E0	
BSW 3" x 3,5	76,20	50,0	260	80	39,0	68,00	1206#01002BC0	1206#03002BC0	

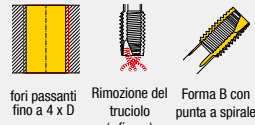
BSW

Filettatura British standard BS 84 passo Whitworth

Maschi a macchina per fori passanti e ciechi



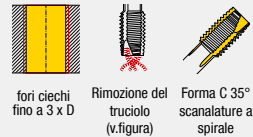
Maschi a Macchina per uso generale in fori passanti



TOL
 materiale: HSSG
 media
N/mm² HRC
 a 900 N/mm²
 27,1 HRC



Maschi a Macchina per uso generale in fori ciechi



TOL
 materiale: HSSE
 media
N/mm² HRC
 a 900 N/mm²
 27,1 HRC

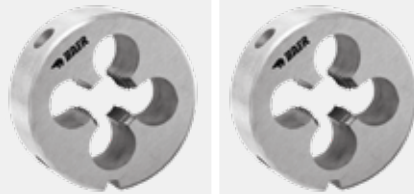
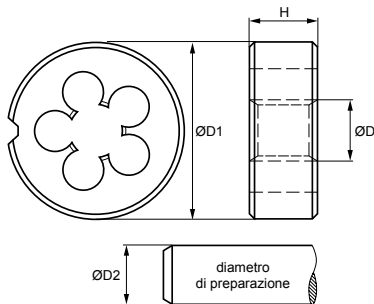
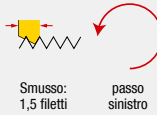
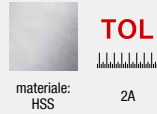

BSW

	D1	D2	L1	L2			No.	No.
DIN 371								
BSW 1/8 x 40	3,18	3,5	56	11	2,7	2,60	1206#040003H1	1206#060003H1
BSW 5/32 x 32	3,97	4,5	63	13	3,4	3,20	1206#040004C1	1206#060004C1
BSW 3/16 x 24	4,76	6,0	70	15	4,9	3,80	1206#04000571	1206#06000571
BSW 1/4 x 20	6,35	7,0	80	17	5,5	5,10	1206#040006Y1	1206#060006Y1
BSW 5/16 x 18	7,94	8,0	90	20	6,2	6,50	1206#04000801	1206#06000801
BSW 3/8 x 16	9,53	9,0	100	22	7,0	7,90	1206#04000AF1	1206#06000AF1
BSW 7/16 x 14	11,11	11,0	100	22	9,0	9,30	1206#04000C51	1206#06000C51
BSW 1/2 x 12	12,70	12,0	110	25	9,0	10,50	1206#04000DW1	1206#06000DW1
DIN 376								
BSW 1/4 x 20	6,35	4,5	80	17	3,4	5,10	1206#040006Y6	1206#060006Y6
BSW 5/16 x 18	7,94	6,0	90	20	4,9	6,50	1206#04000806	1206#06000806
BSW 3/8 x 16	9,53	7,0	100	22	5,5	7,90	1206#04000AF6	1206#06000AF6
BSW 7/16 x 14	11,11	8,0	100	22	6,2	9,30	1206#04000C56	1206#06000C56
BSW 1/2 x 12	12,70	9,0	110	25	7,0	10,50	1206#04000DW6	1206#06000DW6
BSW 9/16 x 12	14,29	11,0	110	26	9,0	12,00	1206#04000FM6	1206#06000FM6
BSW 5/8 x 11	15,88	12,0	110	27	9,0	13,50	1206#04000HD6	1206#06000HD6
BSW 3/4 x 10	19,05	14,0	125	30	11,0	16,50	1206#04000KU6	1206#06000KU6
BSW 7/8 x 9	22,23	18,0	140	32	14,5	19,50	1206#04000OB6	1206#06000OB6
BSW 1" x 8	25,40	20,0	160	36	16,0	22,00	1206#04000RS6	1206#06000RS6
BSW 1.1/4 x 7	31,75	22,0	180	40	18,0	28,00	1206#04000YQ6	1206#06000YQ6
BSW 1.3/8 x 6	34,93	28,0	200	50	22,0	30,50	1206#04001276	1206#06001276
BSW 1.1/2 x 6	38,10	32,0	200	50	24,0	33,50	1206#04001506	1206#06001506

Filiera tonda per uso generale



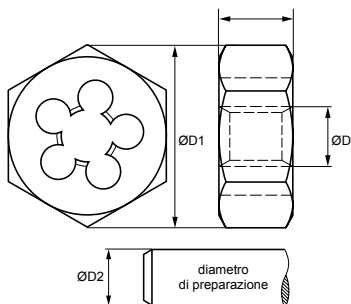
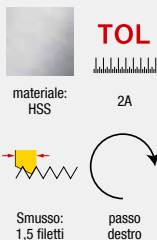
Filiera tonda per uso generale Passo Sinistro



BSW

	D	D1	H	D2	No.	No.
BSW 1/16 x 60	1,59	16	5	1,51	1306#010001Q0	
BSW 3/32 x 48	2,38	16	5	2,30	1306#010002L0	
BSW 1/8 x 40	3,18	20	5	3,09	1306#010003H0	1306#010203H0
BSW 5/32 x 32	3,97	20	5	3,88	1306#010004C0	1306#010204C0
BSW 3/16 x 24	4,76	20	7	4,66	1306#01000570	1306#01020570
BSW 7/32 x 24	5,56	20	7	5,46	1306#01000620	
BSW 1/4 x 20	6,35	20	7	6,24	1306#010006Y0	1306#010206Y0
BSW 5/16 x 18	7,94	25	9	7,82	1306#01000800	1306#01020800
BSW 3/8 x 16	9,53	30	11	9,40	1306#01000AF0	1306#01020AF0
BSW 7/16 x 14	11,11	30	11	10,98	1306#01000C50	1306#01020C50
BSW 1/2 x 12	12,70	38	14	12,56	1306#01000DW0	1306#01020DW0
BSW 9/16 x 12	14,29	38	14	14,14	1306#01000FM0	1306#01020FM0
BSW 5/8 x 11	15,88	45	18	15,72	1306#01000HD0	1306#01020HD0
BSW 3/4 x 10	19,05	45	18	18,89	1306#01000KU0	1306#01020KU0
BSW 7/8 x 9	22,23	55	22	22,10	1306#01000B0	1306#01020B0
BSW 1" x 8	25,40	55	22	25,27	1306#01000RS0	1306#01020RS0
BSW 1.1/8 x 7	28,58	65	25	28,44	1306#01000V90	
BSW 1.1/4 x 7	31,75	65	25	31,61	1306#01000YQ0	
BSW 1.3/8 x 6	34,93	65	25	34,77	1306#01001270	
BSW 1.1/2 x 6	38,10	65	25	37,95	1306#01001500	
BSW 1.1/2 x 6	38,10	75	30	37,95	1306#01001501	
BSW 1.5/8 x 5	41,28	75	30	41,11	1306#01001950	
BSW 1.3/4 x 5	44,45	90	36	44,28	1306#01001CM0	
BSW 1.7/8 x 4,5	47,63	90	36	47,46	1306#01001G30	
BSW 2" x 4,5	50,80	90	36	50,63	1306#01001JK0	
BSW 2.1/4 x 4	57,15	105	36	56,98	1306#01001QI0	
BSW 2.1/2 x 4	63,50	105	36	63,34	1306#01001XG0	
BSW 2.3/4 x 3,5	69,85	120	36	69,68	1306#010024E0	
BSW 3" x 3,5	76,20	120	36	76,03	1306#01002BC0	

Filiera esagonale per uso generale


BSW

	D	D1	H	D2	No.
BSW 1/8 x 40	3,18	20	5	3,09	1306#020003H0
BSW 3/16 x 24	4,76	20	7	4,66	1306#02000570
BSW 1/4 x 20	6,35	20	7	6,24	1306#020006Y0
BSW 5/16 x 18	7,94	25	9	7,82	1306#02000800
BSW 3/8 x 16	9,53	30	11	9,40	1306#02000AF0
BSW 7/16 x 14	11,11	30	11	10,98	1306#02000C50
BSW 1/2 x 12	12,70	38	14	12,56	1306#02000DW0
BSW 9/16 x 12	14,29	38	14	14,14	1306#02000FM0
BSW 5/8 x 11	15,88	45	18	15,72	1306#02000HD0
BSW 3/4 x 10	19,05	45	18	18,89	1306#02000KU0
BSW 7/8 x 9	22,23	55	22	22,10	1306#02000OB0
BSW 1" x 8	25,40	55	22	25,27	1306#02000RS0
BSW 1.1/8 x 7	28,58	65	25	28,44	1306#02000V90
BSW 1.1/4 x 7	31,75	65	25	31,61	1306#02000YQ0
BSW 1.3/8 x 6	34,93	65	25	34,77	1306#02001270
BSW 1.1/2 x 6	38,10	65	25	37,95	1306#02001500
BSW 2" x 4,5	50,80	90	36	50,63	1306#02001JK0
BSW 2.1/4 x 4	57,15	105	36	56,98	1306#02001QI0
BSW 2.1/2 x 4	63,50	105	36	63,34	1306#02001XG0
BSW 2.3/4 x 3,5	69,85	120	36	69,68	1306#020024E0
BSW 3" x 3,5	76,20	120	36	76,03	1306#02002BC0

BSF

Filettatura British standard BS 84 Whitworth passo fine

Set di Maschi a mano, Filiere tonde e Utensili (immagine rappresentativa)



Set BSF 1/4" - 1/2"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi) BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16

HSS Filiere tonde BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 4-12 | 5/32-1/2 | G 1/8

Portafililere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 10

Estrattore di viti

 Art.:
1405#43010001

Set BSF 1/4" - 3/4"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi) BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16 | BSF 5/8 x 14 | BSF 3/4 x 12

HSS Filiere tonde BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16 | BSF 5/8 x 14 | BSF 3/4 x 12

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4 | G 1/8-1/2

Portafililere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 10 | 45 x 14

Estrattore di viti

 Art.:
1405#43010002

Set BSF 1/4" - 1"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (2 pezzi) BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16 | BSF 5/8 x 14 | BSF 3/4 x 12 | BSF 7/8 x 11 | BSF 1" x 10

HSS Filiere tonde BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16 | BSF 5/8 x 14 | BSF 3/4 x 12 | BSF 7/8 x 11 | BSF 1" x 10

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 11-27 | 7/16-1" | G 1/4-3/4

Portafililere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 10 | 45 x 14 | 55 x 16

Estrattore di viti

 Art.:
1405#43010003

Set BSW & BSF 1/4" - 3/4"

HSSG Set Maschi a Mano, HSS Filiere tonde e Utensili

HSSG Set Maschi a Mano (3 pezzi) BSW BSW 1/4 | BSW 5/16 | BSW 3/8 | BSW 7/16 | BSW 1/2 | BSW 5/8 | BSW 3/4

HSSG Set Maschi a Mano (2 pezzi) BSF BSF 1/4 | BSF 5/16 | BSF 3/8 | BSF 7/16 | BSF 1/2 | BSF 5/8 | BSF 3/4

HSS Filiere tonde BSW BSW 1/4 | BSW 5/16 | BSW 3/8 | BSW 7/16 | BSW 1/2 | BSW 5/8 | BSW 3/4

HSS Filiere tonde BSF BSF 1/4 | BSF 5/16 | BSF 3/8 | BSF 7/16 | BSF 1/2 | BSF 5/8 | BSF 3/4

Giramaschi regolabile - zincato M 1-10 | 1/16-3/8 | G 1/8 & M 5-20 | 7/32-3/4" | G 1/8-1/2

Portafililere - zincato 20 x 7 | 25 x 9 | 30 x 11 | 38 x 14 | 45 x 18

Estrattore di viti

 Art.:
1405#43010004

BSF

Filettatura British standard BS 84 Whitworth passo fine

Maschi Corti a Macchina e Filiere tonde Sets BSF 1/4" - 1/2" (immagine rappresentativa)



Set BSF 1/4" - 1/2"

HSSG Maschi Corti a Macchina, Punte da trapano e HSS Filiere tonde

HSSG Short Maschi a Macchina Forma C per fori passanti & ciechi (fino a 4 x D) BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16

HSSG Punte da trapano 5,2 mm | 6,6 mm | 8,1 mm | 9,5 mm | 11 mm

HSS Filiere tonde BSF 1/4 x 26 | BSF 5/16 x 22 | BSF 3/8 x 20 | BSF 7/16 x 18 | BSF 1/2 x 16

Art.:
1405#5000001

BSF

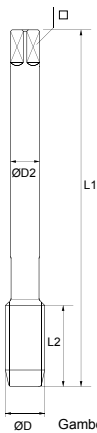
Filettatura British standard BS 84 Whitworth passo fine

Tagliente interno efficiente

La struttura corta lo rende adatto all'uso a mano ma anche a macchina

Set Maschi a Mano include 2 maschi:

- Maschio sgrossatore
- Maschio finitore



Gambo: DIN 2181

Maschi Corti a Macchina

Forma C per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 1,5 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG

media

a 900 N/mm² 27,1 HRC



3-4 filetti



raffreddare e lubrificare

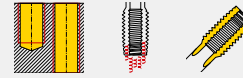


passo destro



Set Maschi a Mano

per uso generale



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG

media

a 900 N/mm² 27,1 HRC



3-4 filetti



raffreddare e lubrificare



passo destro



BSF

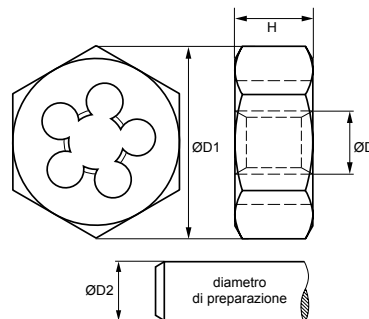
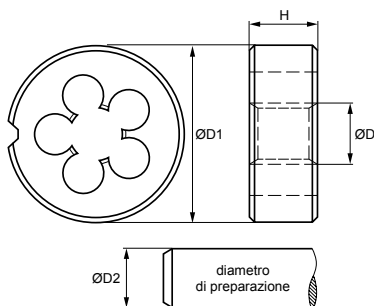
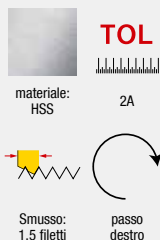
	D1	D2	L1	L2	□	🔩	No.	No.
BSF 3/16 x 32	4,76	6	50	14	4,9	3,90	1205#01000570	1205#03000570
BSF 1/4 x 26	6,35	6	50	18	4,9	5,30	1205#010006Y0	1205#030006Y0
BSF 5/16 x 22	7,94	6	56	22	4,9	6,80	1205#01000800	1205#03000800
BSF 3/8 x 20*	9,53	7	63	22	5,5	8,30	1205#01000AF0	1205#03000AF0
BSF 7/16 x 18	11,11	8	63	22	6,2	9,70	1205#01000C50	1205#03000C50
BSF 1/2 x 16	12,70	9	75	24	7,0	11,10	1205#01000DW0	1205#03000DW0
BSF 9/16 x 16	14,29	11	80	28	9,0	12,70	1205#01000FM0	1205#03000FM0
BSF 5/8 x 14	15,88	12	80	28	9,0	14,00	1205#01000HD0	1205#03000HD0
BSF 3/4 x 12	19,05	14	95	32	11,0	16,80	1205#01000KU0	1205#03000KU0
BSF 7/8 x 11	22,23	18	100	36	14,5	19,70	1205#01000B0	1205#03000B0
BSF 1" x 10	25,40	18	110	40	14,5	22,70	1205#01000RS0	1205#03000RS0

* BSF 3/8 = Fisher thread

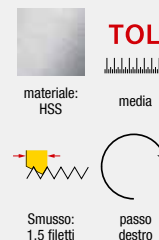
BSF

Filettatura British standard BS 84 Whitworth passo fine

Filiera tonda per uso generale



Filiera Esagonale per uso generale



BSF	D	D1	H	D2	No.
BSF 3/16 x 32	4,76	20	7	4,67	1305#01000570
BSF 1/4 x 26	6,35	20	7	6,25	1305#010006Y0
BSF 5/16 x 22	7,94	25	9	7,83	1305#01000800
BSF 3/8 x 20	9,53	30	11	9,41	1305#01000AF0
BSF 7/16 x 18	11,11	30	11	10,99	1305#01000C50
BSF 1/2 x 16	12,70	38	10	12,57	1305#01000DW0
BSF 9/16 x 16	14,29	38	10	14,12	1305#01000FM0
BSF 5/8 x 14	15,88	45	14	15,73	1305#01000HD0
BSF 3/4 x 12	19,05	45	14	18,89	1305#01000KU0
BSF 7/8 x 11	22,23	55	22	22,11	1305#010000B0
BSF 1" x 10	25,40	55	22	25,28	1305#01000RS0

BSF	D	D1	H	D2	No.
BSF 3/16 x 32	4,76	19	7	4,67	1305#02000570
BSF 1/4 x 26	6,35	19	7	6,25	1305#020006Y0
BSF 5/16 x 22	7,94	22	9	7,83	1305#02000800
BSF 3/8 x 20	9,53	27	11	9,41	1305#02000AF0
BSF 7/16 x 18	11,11	27	11	10,99	1305#02000C50
BSF 1/2 x 16	12,70	36	10	12,57	1305#02000DW0
BSF 9/16 x 16	14,29	36	10	14,12	1305#02000FM0
BSF 5/8 x 14	15,88	41	14	15,73	1305#02000HD0
BSF 3/4 x 12	19,05	41	14	18,89	1305#02000KU0
BSF 7/8 x 11	22,23	50	16	22,11	1305#020000B0
BSF 1" x 10	25,40	50	16	25,28	1305#02000RS0




TR

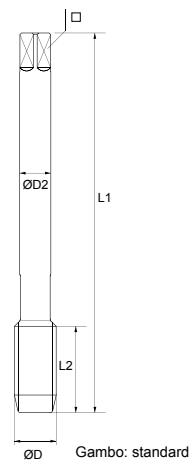
Filettatura Trapezoidale / DIN 103

Tagliente interno efficiente

La struttura corta lo rende
adatto all'uso a mano ma anche
a macchina

**Set a mano,
include 3 maschi:**

-  Maschio sgrossatore
-  Maschio intermedio
-  Maschio finitore



Set Maschi a Mano per uso generale

fori passanti & fori ciechi fino a 1 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte

TOL **N/mm² HRC**

materiale: HSSG 7H a 900 N/mm² 27,1 HRC

special chamfer raffreddare e lubrificare passo destro

Set Maschi a Mano per uso generale Passo Sinistro

fori passanti & fori ciechi fino a 1 x D
Rimozione del truciolo (v.figura)
Forma C scanalature dritte


TOL **N/mm² HRC**

materiale: HSSG 7H a 900 N/mm² 27,1 HRC

special chamfer raffreddare e lubrificare passo sinistro



TR

	D2	L1	L2	□		No.	No.
TR 9 x 1,5	7	100	22	5,5	7,60	1207#03001PFO	1207#03021PFO
TR 10 x 1,5	7	100	22	5,5	8,60	1207#03000S70	1207#03020S70
TR 10 x 2	7	90	34	5,5	8,20	1207#03001SCO	1207#03021SCO
TR 10 x 3	7	100	40	5,5	7,60	1207#03002SMO	1207#03022SMO
TR 11 x 2	8	100	22	6,2	9,20	1207#03002VE0	1207#03022VE0
TR 12 x 2	9	110	25	7,0	10,20	1207#03002XW0	1207#03022XW0
TR 12 x 3	8	110	40	6,2	9,25	1207#03002Y60	1207#03022Y60
TR 14 x 2	11	110	26	9,0	12,20	1207#030013G0	1207#030213G0
TR 14 x 3	10	130	45	8,0	11,25	1207#030023Q0	1207#030223Q0
TR 14 x 4	10	130	55	8,0	10,70	1207#03002400	1207#03022400
TR 16 x 2	12	110	27	9,0	14,20	1207#03001900	1207#03021900
TR 16 x 4	11	140	55	9,0	12,25	1207#030019K0	1207#030219K0
TR 18 x 2	14	125	27	11,0	16,20	1207#03001EK0	1207#03021EK0
TR 18 x 4	12	150	55	9,0	14,25	1207#03001F40	1207#03021F40
TR 20 x 2	16	140	27	12,0	18,20	1207#03001K40	1207#03021K40
TR 20 x 4	14	160	55	11,0	16,25	1207#03001K00	1207#03021K00
TR 22 x 3	18	160	34	14,5	19,25	1207#03001PY0	1207#03021PY0
TR 22 x 5	16	175	65	12,0	17,30	1207#03001QI0	1207#03021QI0
TR 24 x 3	18	160	36	14,5	21,25	1207#03001VI0	1207#03021VI0
TR 24 x 5	18	190	65	14,5	19,30	1207#03001W20	1207#03021W20
TR 26 x 3	20	160	36	16,0	23,25	1207#03002120	1207#03022120
TR 26 x 5	20	210	70	16,0	21,30	1207#030021M0	1207#030221M0
TR 28 x 3	22	180	40	18,0	25,25	1207#030026M0	1207#030226M0
TR 28 x 5	22	220	70	18,0	23,30	1207#03002760	1207#03022760
TR 30 x 3	22	180	40	18,0	27,25	1207#03002C60	1207#03022C60
TR 30 x 6	22	240	80	18,0	24,30	1207#03003D00	1207#03023D00
TR 32 x 6	25	255	80	20,0	26,30	1207#03003IK0	1207#03023IK0

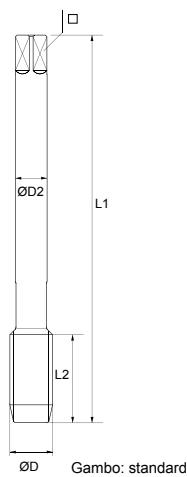
TR

Filettatura Trapezoidale / DIN 103

Maschio per dadi a macchina con gambo lungo per il taglio di dadi

Per tutti i fori passanti fino a una profondità di filettatura massima di 1,0 x diametro

Si prega di notare che questo maschio può sopportare solo forze di taglio fino a 1,0 volte il diametro



Maschi a macchina per Dadi per uso generale

Fori passanti in dadi fino a 1 x D

Rimozione del truciolo (v.figura)

scanalature dritte

materiale: HSSG

7H

N/mm² HRC

fino a 700 N/mm²

imbocco speciale

raffreddare e lubrificare

passo destro



Maschi a macchina per Dadi per uso generale Passo Sinistro

Fori passanti in dadi fino a 1 x D

Rimozione del truciolo (v.figura)

scanalature dritte

materiale: HSSG

7H

N/mm² HRC

fino a 700 N/mm²

imbocco speciale

raffreddare e lubrificare

passo sinistro



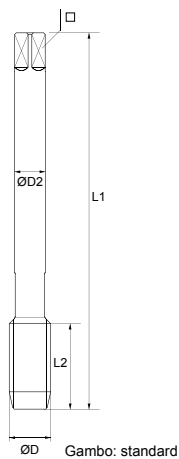
TR	D2	L1	L2	□	✂	No.	No.
TR 8 x 1,5	6	90	55	4,9	6,70		
TR 9 x 2	7	110	63	5,5	7,20		
TR 10 x 2	7	110	63	5,5	8,20	1207#09001SC0	1207#09021SC0
TR 10 x 3	7	125	75	5,5	7,60	1207#09002SM0	1207#09022SM0
TR 12 x 2	9	135	75	7,0	10,20		
TR 12 x 3	8	165	111	6,2	9,25	1207#09002Y60	1207#09022Y60
TR 14 x 2	10	150	90	8,0	12,20		
TR 14 x 3	10	140	85	8,0	11,25	1207#090023Q0	1207#090223Q0
TR 14 x 4	10	170	112	8,0	10,70	1207#09002400	1207#09022400
TR 16 x 2	12	160	90	9,0	14,20		
TR 16 x 4	11	180	116	9,0	12,25	1207#090019K0	1207#090219K0
TR 18 x 2	14	175	90	11,0	16,20		
TR 18 x 4	12	190	120	9,0	14,25	1207#09001F40	1207#09021F40
TR 20 x 2	16	185	105	12,0	18,20		
TR 20 x 4	14	200	124	11,0	16,25	1207#09001K00	1207#09021K00
TR 22 x 3	16	220	125	12,0	19,25		
TR 22 x 4	16	210	130	12,0	18,25	1207#09002Q80	
TR 22 x 5	16	235	155	12,0	17,30	1207#09001QI0	1207#09021QI0
TR 24 x 3	18	220	130	14,5	21,25		
TR 24 x 5	18	245	160	14,5	19,30	1207#09001W20	1207#09021W20
TR 26 x 3	20	235	130	16,0	23,25		
TR 26 x 5	20	255	165	16,0	21,30	1207#090021M0	1207#090221M0
TR 28 x 3	22	245	140	18,0	25,25		
TR 28 x 5	22	265	170	18,0	23,30	1207#09002760	1207#09022760
TR 30 x 3	22	250	140	18,0	27,25		
TR 30 x 6	22	290	185	18,0	24,30	1207#09003D00	1207#09023D00
TR 32 x 6	25	300	191	20,0	26,30	1207#09003IK0	1207#09023IK0
TR 36 x 6	28	310	200	22,0	30,50	1207#09003T00	1207#09023T00

TR

Filettatura Trapezoidale / DIN 103

Maschio a macchina a gambo lungo per dadi

Per fori passanti fino a max 1,5 volte il diametro



Maschi a macchina per Dadi per acciai inossidabili



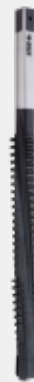
Fori passanti in nuts fino a 1,5 x D
Rimozione del truciolo (v.figura)
25° Sinistro scanalature a spirale



materiale: HSSE-nitrated
7H
a 900 N/mm² 27,1 HRC



special chamfer
raffreddare e lubrificare
passo destro



Maschi a macchina per Dadi per acciai inossidabili Passo Sinistro



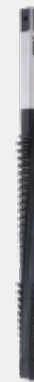
Fori passanti in nuts fino a 1,5 x D
Rimozione del truciolo (v.figura)
25° Sinistro scanalature a spirale



materiale: HSSE-nitrated
7H
a 900 N/mm² 27,1 HRC

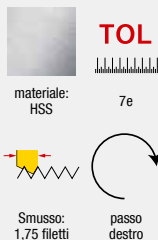


special chamfer
raffreddare e lubrificare
passo sinistro

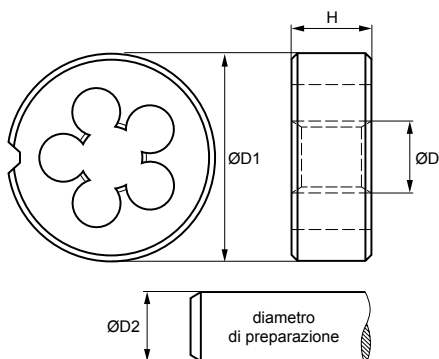
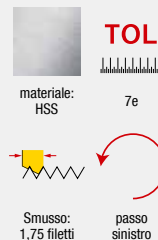


TR	D2	L1	L2	□	🔩	No.	No.
TR 8 x 1,5	6	90	55	4,9	6,70	1207#09051MN0	1207#09L51MN0
TR 9 x 2	7	110	63	5,5	7,20	1207#09052PK0	1207#09L52PK0
TR 10 x 2	7	110	63	5,5	8,20	1207#09051SC0	1207#09L51SC0
TR 10 x 3	7	125	75	5,5	7,60	1207#09052SM0	1207#09L52SM0
TR 12 x 2	9	135	75	7,0	10,20	1207#09052XW0	1207#09L52XW0
TR 12 x 3	8	165	111	6,2	9,25	1207#09052Y60	1207#09L52Y60
TR 14 x 2	10	150	90	8,0	12,20	1207#090513G0	1207#09L513G0
TR 14 x 3	10	140	85	8,0	11,25	1207#090523Q0	1207#09L523Q0
TR 14 x 4	10	170	112	8,0	10,70	1207#09052400	1207#09L52400
TR 16 x 2	12	160	90	9,0	14,20	1207#09051900	1207#09L51900
TR 16 x 4	11	180	116	9,0	12,25	1207#090519K0	1207#09L519K0
TR 18 x 2	14	175	90	11,0	16,20	1207#09051EK0	1207#09L51EK0
TR 18 x 4	12	190	120	9,0	14,25	1207#09051F40	1207#09L51F40
TR 20 x 2	16	185	105	12,0	18,20	1207#09051K40	1207#09L51K40
TR 20 x 4	14	200	124	11,0	16,25	1207#09051K00	1207#09L51K00
TR 22 x 3	16	220	125	12,0	19,25	1207#09051PY0	1207#09L51PY0
TR 22 x 4	16	210	130	12,0	18,25	1207#09052Q80	1207#09L52Q80
TR 22 x 5	16	235	155	12,0	17,30	1207#09051QI0	1207#09L51QI0
TR 24 x 3	18	220	130	14,5	21,25	1207#09051VI0	1207#09L51VI0
TR 24 x 5	18	245	160	14,5	19,30	1207#09051W20	1207#09L51W20
TR 26 x 3	20	235	130	16,0	23,25	1207#09052120	1207#09L52120
TR 26 x 5	20	255	165	16,0	21,30	1207#090521M0	1207#09L521M0
TR 28 x 3	22	245	140	18,0	25,25	1207#090526M0	1207#09L526M0
TR 28 x 5	22	265	170	18,0	23,30	1207#09052760	1207#09L52760
TR 30 x 3	22	250	140	18,0	27,25	1207#09052C60	1207#09L52C60
TR 30 x 6	22	290	185	18,0	24,30	1207#09053D00	1207#09L53D00
TR 32 x 6	25	300	191	20,0	26,30	1207#09053IK0	1207#09L53IK0

Filiera tonda per uso generale



Filiera tonda per uso generale Passo Sinistro



TR

	D1	H	D2	No.	No.
TR 10 x 2	38	14	9,91	1307#01001SC0	1307#01021SC0
TR 10 x 3	38	14	9,88	1307#01002SM0	1307#01022SM0
TR 12 x 2	38	14	11,91	1307#01002XW0	1307#01022XW0
TR 12 x 3	38	14	11,88	1307#01002Y60	1307#01022Y60
TR 14 x 2	38	14	13,91	1307#010013G0	1307#010213G0
TR 14 x 3	45	18	13,88	1307#010023Q0	1307#010223Q0
TR 14 x 4	45	18	13,85	1307#01002400	1307#01022400
TR 16 x 2	45	18	15,91	1307#01001900	1307#01021900
TR 16 x 4	45	18	15,85	1307#010019K0	1307#010219K0
TR 18 x 2	45	18	17,91	1307#01001EK0	1307#01021EK0
TR 18 x 4	45	18	17,85	1307#01001F40	1307#01021F40
TR 20 x 2	45	18	19,91	1307#01001K40	1307#01021K40
TR 20 x 4	55	22	19,85	1307#01001K00	1307#01021K00
TR 22 x 5	55	22	21,84	1307#01001QI0	1307#01021QI0
TR 24 x 5	65	25	23,84	1307#01001W20	1307#01021W20
TR 26 x 5	65	25	25,84	1307#010021M0	1307#010221M0
TR 28 x 5	65	25	27,84	1307#01002760	1307#01022760
TR 30 x 6	65	25	29,82	1307#01003D00	1307#01023D00

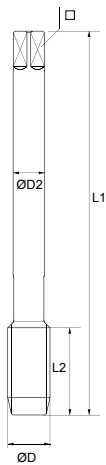
NPT

Filettatura americana gas conica 1:16 per tubi ANSI B 1.20.1

Tagliente interno efficiente
La struttura corta lo rende utilizzabile a macchina e a mano

Applicazione:

- Materiali non abrasivi fino a 900 N/mm²
- Acciaio non legato e bassamente legato



NPTF

Filettatura americana gas conica per tubi a tenuta di pressione ANSI B 1.20.3

Maschi Corti a Macchina Forma C per fori passanti e fori ciechi



NPT

	D1	D2	L1	L2	□		No.
NPT 1/16 x 27	7,90	19	65	19	5,5	6,00	1211#010001R0
NPT 1/8 x 27	10,24	19	65	19	5,5	8,25	1211#010003K0
NPT 1/4 x 18	13,62	25	70	25	9,0	10,70	1211#01000750
NPT 3/8 x 18	17,06	26	75	26	9,0	14,10	1211#01000AP0
NPT 1/2 x 14	21,22	31	80	31	12,0	17,40	1211#01000EA0
NPT 3/4 x 14	26,57	33	100	33	16,0	22,60	1211#01000LF0
NPT 1" x 11,5	33,23	38	110	38	20,0	28,50	1211#01000SK0
NPT 1.1/4 x 11,5	41,99	41	125	41	24,0	37,00	1211#01000ZP0
NPT 1.1/2 x 11,5	48,05	42	140	42	29,0	43,50	1211#010015T0
NPT 2" x 11,5	60,09	44	160	44	29,0	55,00	1211#01001K40

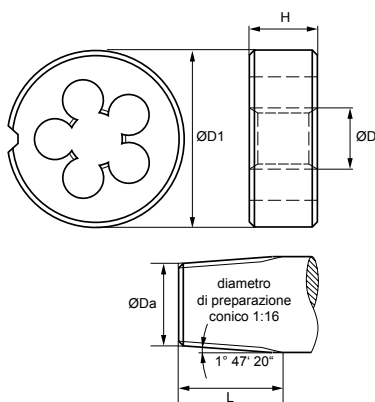
NPTF

	D1	D2	L1	L2	□		No.
NPTF 1/16 x 27	7,87	19	65	19	5,5	6,00	1212#010001R0
NPTF 1/8 x 27	10,22	19	65	19	5,5	8,25	1212#010003K0
NPTF 1/4 x 18	13,58	25	70	25	9,0	10,70	1212#01000750
NPTF 3/8 x 18	17,02	26	75	26	9,0	14,10	1212#01000AP0
NPTF 1/2 x 14	21,21	31	80	31	12,0	17,40	1212#01000EA0
NPTF 3/4 x 14	26,57	33	100	33	16,0	22,60	1212#01000LF0
NPTF 1" x 11,5	33,20	38	110	38	20,0	28,50	1212#01000SK0
NPTF 1.1/4 x 11,5	41,95	41	125	41	24,0	37,00	1212#01000ZP0
NPTF 1.1/2 x 11,5	48,02	42	140	42	29,0	43,50	1212#010015T0
NPTF 2" x 11,5	60,06	44	160	44	29,0	55,00	1212#01001K40

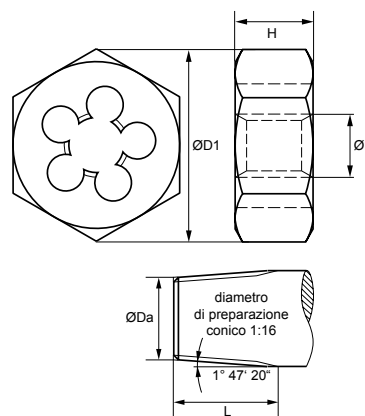
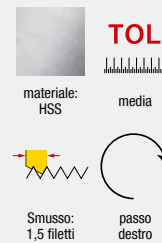
NPT

Filettatura americana gas conica 1:16 per tubi ANSI B 1.20.1

Filiera tonda per uso generale



Filiera Esagonale per uso generale



NPT

	D	D1	H	Da x L	No.
NPT 1/16 x 27	7,90	25	9	7,58 x 8,40	1311#010001R0
NPT 1/8 x 27	10,24	30	11	9,93 x 8,50	1311#010003K0
NPT 1/4 x 18	13,62	38	14	13,18 x 12,70	1311#01000750
NPT 3/8 x 18	17,06	45	14	16,60 x 12,90	1311#01000AP0
NPT 1/2 x 14	21,22	45	18	20,63 x 16,80	1311#01000EA0
NPT 5/8 x 14	23,90	55	22		1311#01000HU0
NPT 3/4 x 14	26,57	55	22	25,95 x 17,10	1311#01000LF0
NPT 7/8 x 14	29,90	65	25		1311#01000P00
NPT 1" x 11,5	33,23	65	25	32,51 x 21,30	1311#01000SK0
NPT 1.1/4 x 11,5	41,99	75	26	41,23 x 21,90	1311#01000ZP0
NPT 1.1/2 x 11,5	48,05	90	27	47,30 x 22,30	1311#010015T0
NPT 2" x 11,5	60,09	105	28	59,31 x 23,10	1311#01001K40

NPT

	D	D1	H	Da x L	No.
NPT 1/16 x 27	7,90	22	9	7,58 x 8,40	1311#020001R0
NPT 1/8 x 27	10,24	27	11	9,93 x 8,50	1311#020003K0
NPT 1/4 x 18	13,62	36	14	13,18 x 12,70	1311#02000750
NPT 3/8 x 18	17,06	41	14	16,60 x 12,90	1311#02000AP0
NPT 1/2 x 14	21,22	41	14	20,63 x 16,80	1311#02000EA0
NPT 3/4 x 14	26,57	50	22	25,95 x 17,10	1311#02000LF0
NPT 1" x 11,5	33,23	60	25	32,51 x 21,30	1311#02000SK0
NPT 1.1/4 x 11,5	41,99	70	25	41,23 x 21,90	1311#02000ZP0
NPT 1.1/2 x 11,5	48,05	85	28	47,30 x 22,30	1311#020015T0
NPT 2" x 11,5	60,09	100	28	59,31 x 23,10	1311#02001K40

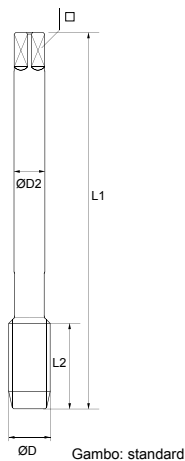
NPS

Filettatura americana cilindrica per tubi

Tagliente interno efficiente
La struttura corta lo rende utilizzabile a macchina e a mano

Applicazione:

- Materiali non abrasivi fino a 900 N/mm²
- Acciaio non legato e bassamente legato



Maschi Corti a Macchina

Forma C per fori passanti e fori ciechi

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

materiale: HSSG media

TOL **N/mm² HRC**

a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro



Filiera tonda

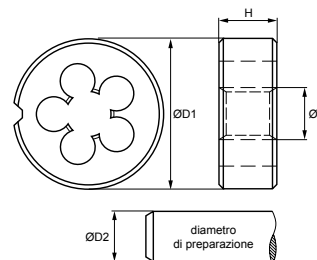
per uso generale

materiale: HSS media

TOL

Smusso: 1,75 filetti

passo destro



NPS

	D1	D2	L1	L2			No.
NPS 1/16 x 27	7,90	8	54	18	6	6,40	1213#010001R0
NPS 1/8 x 27	10,24	8	55	19	6	8,90	1213#010003K0
NPS 1/4 x 18	13,62	11	62	28	9	11,50	1213#01000750
NPS 3/8 x 18	17,06	14	65	28	11	15,00	1213#01000AP0
NPS 1/2 x 14	21,22	18	80	35	14	18,50	1213#01000EA0
NPS 3/4 x 14	26,57	23	85	35	17	23,80	1213#01000LF0
NPS 1" x 11,5	33,23	26	95	45	21	29,90	1213#01000SK0
NPS 1,1/4 x 11,5	41,99	32	105	45	26	38,60	1213#01000ZP0
NPS 1,1/2 x 11,5	48,05	38	110	45	29	44,70	1213#010015T0
NPS 2" x 11,5	60,09	46	120	50	35	56,70	1213#01001K40

NPSM

	D	D1	H	D2	No.
NPSM 1/8 x 27	10,24	30	11	9,99	1313#010003K0
NPSM 1/4 x 18	13,62	38	10	13,25	1313#01000750
NPSM 3/8 x 18	17,06	45	14	16,70	1313#01000AP0
NPSM 1/2 x 14	21,22	45	14	20,78	1313#01000EA0
NPSM 3/4 x 14	26,57	55	16	26,14	1313#01000LF0
NPSM 1" x 11,5	33,23	65	18	32,69	1313#01000SK0
NPSM 1.1/4 x 11,5	41,99	75	20	41,45	1313#01000ZP0

RC (BSPT)

Filettatura Whitworth conica per tubi DIN 2999

RP (BSPP)

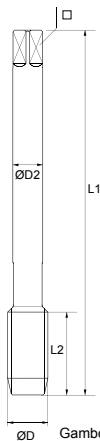
Filettatura Whitworth standard britannico / ISO 7-1

Tagliante interno efficiente

La struttura corta lo rende utilizzabile a macchina e a mano

Applicazione:

- Materiali non abrasivi fino a 900 N/mm²
- Acciaio non legato e bassamente legato

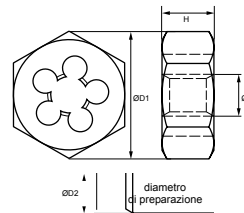
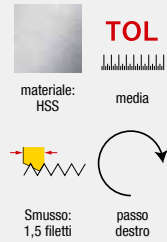


Maschi Corti a Macchina

Forma C per fori passanti e fori ciechi



Filiera Esagonale per uso generale



RC (BSPT)	D1	D2	L1	L2	□	✂	No.
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	1201#04040S71
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	1201#04040XT6
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00	1201#040413G6
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00	1201#04041906
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50	1201#04041EP6
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50	1201#04041K96
M 22 x 2,5	22,0	18,0	140	34	14,5	19,50	1201#04041PT6
M 24 x 3,0	24,0	18,0	160	38	14,5	21,00	1201#04041VI6
M 27 x 3,0	27,0	20,0	160	38	16,0	24,00	1201#040423U6
M 30 x 3,5	30,0	22,0	180	45	18,0	26,50	1201#04042CB6

R (BSPT)	D	D1	H	No.
R 1/8 x 28	9,73	27	11	1308#020003H0
R 1/4 x 19	13,16	36	14	1308#020006Y0
R 3/8 x 19	16,66	41	15	1308#02000AF0
R 1/2 x 14	20,95	50	19	1308#02000DW0
R 3/4 x 14	26,44	60	20	1308#02000KU0
R 1" x 11	33,25	60	25	1308#02000RS0
R 1.1/4 x 11	41,91	85	26	1308#02000YQ0
R 1.1/2 x 11	47,80	85	26	1308#02001500
R 2" x 11	59,61	100	31	1308#02001JK0




RP (BSPP)	D1	D2	L1	L2	□	✂	No.
RP 1/16 x 28	7,72	8	55	18	6	6,55	1209#010001Q0
RP 1/8 x 28	9,73	8	55	19	6	8,60	1209#010003H0
RP 1/4 x 19	13,16	11	62	28	9	11,50	1209#010006Y0
RP 3/8 x 19	16,66	14	65	28	11	15,00	1209#01000AF0
RP 1/2 x 14	20,95	18	80	35	14	18,50	1209#01000DW0
RP 3/4 x 14	26,44	23	85	35	17	24,00	1209#01000KU0
RP 1" x 11	33,25	26	95	45	21	30,25	1209#01000RS0
RP 1.1/4 x 11	41,91	32	105	45	26	38,75	1209#01000YQ0
RP 1.1/2 x 11	47,80	38	110	45	29	44,75	1209#01001500
RP 2" x 11	59,61	46	120	50	35	56,50	1209#01001JK0

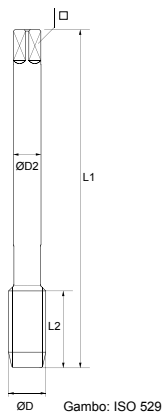
BA

Filettatura associazione britannica BS 93

Tagliente interno efficiente
La struttura corta lo rende
adatto all'uso a mano ma
anche a macchina

**Set a mano,
include 3 maschi:**

-  Maschio sgrossatore
-  Maschio intermedio
-  Maschio finitore



Set Maschi a Mano per uso generale

fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte

materiale: HSSG media

N/mm² HRC
a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro

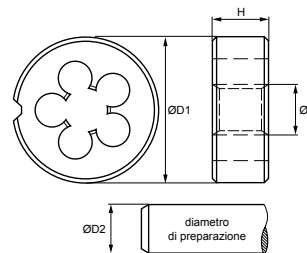


Filiera tonda per uso generale



materiale: HSS media

Smusso: 1,75 filetti

passo destro



BA

	D1	D2	L1	L2			No.
BA 0	6,00	6,3	66	19	5,0	5,10	1218#03130000
BA 1	5,30	5,6	62	17	4,5	4,50	1218#03130050
BA 2	4,70	5,0	58	16	4,0	4,00	1218#031300A0
BA 3	4,10	4,5	53	13	3,6	3,40	1218#031300F0
BA 4	3,60	3,6	50	13	2,8	3,00	1218#031300K0
BA 5	3,20	3,2	48	11	2,5	2,65	1218#031300P0
BA 6	2,80	2,8	45	9,5	2,2	2,30	1218#031300U0

BA

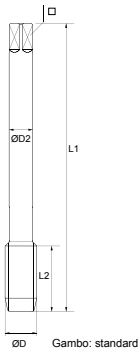
	D	D1	H	D2	No.
BA 0	6,0	20,6	6,35	5,90	1318#01000000
BA 1	5,3	20,6	6,35	5,21	1318#01000050
BA 2	4,7	20,6	6,35	4,61	1318#010000A0
BA 3	4,1	20,6	6,35	4,02	1318#010000F0
BA 4	3,6	20,6	6,35	3,52	1318#010000K0
BA 5	3,2	20,6	6,35	3,14	1318#010000P0
BA 6	2,8	20,6	6,35	2,74	1318#010000U0
BA 7	2,5	20,6	6,35	2,44	1318#010000Z0
BA 8	2,2	20,6	6,35	2,15	1318#01000140
BA 10	1,7	20,6	6,35	1,66	1318#01000190

W

Filettatura Whitworth conica 3:25 DIN 477

Tagliente interno efficiente

La struttura corta lo rende adatto all'uso a mano ma anche a macchina



Maschi a Macchina Corti

Forma C per fori passanti e fori ciechi



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



materiale: HSSG

media

a 900 N/mm² 27,1 HRC



2-3 filetti

raffreddare e lubrificare

passo destro



Filiera tonda per uso generale



materiale: HSS

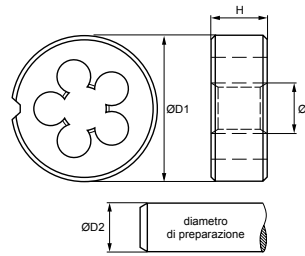
media



Smusso: 1,75 filetti



passo destro



W

	D1	D2	L1	L2	□		No.
W 19,8 x 14 conico	19,80	16	90	32	12,0	14,70	1219#01000000
W 28,8 x 14 conico	28,80	22	100	40	18,0	22,70	1219#01000050
W 31,3 x 14 conico	31,30	22	110	40	18,0	25,20	1219#010000A0
W 21,8 x 14 cyl. - destro	21,80	18	80	22	14,5	19,75	1220#010000F0
W 21,8 x 14 cill. - Sinistro	21,80	18	80	22	14,5	19,75	1220#010000K0
W 24,32 x 14 cilindrico	24,32	18	90	22	14,5	22,25	1220#010000P0

W

	D	D1	H	D2	No.
W 19,8 x 14 conico	19,80	45	25	17,34	1319#01000000
W 28,8 x 14 conico	28,80	65	30	25,74	1319#01000050
W 21,8 x 14 cil. - destro	21,80	55	16	21,58	1320#010000A0
W 21,8 x 14 cyl. - Sinistro	21,80	55	16	21,58	1320#010000F0
W 24,32 x 14 cilindrico	24,32	55	16	24,10	1320#010000K0

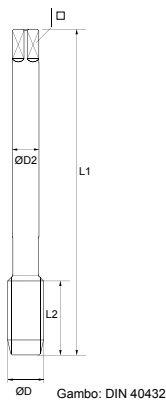
PG

Filettatura per guaine in acciaio DIN 40430

Tagliente interno efficiente
La struttura corta lo rende
adatto all'uso a mano ma
anche a macchina

Applicazione:

- materiali non abrasivi fino a 900 N/mm²
- acciaio non legato e bassamente legato



Maschi Corti a Macchina

Forma D per fori passanti e fori ciechi

fori passanti & fori ciechi fino a 4 x D

Rimozione del truciolo (v.figura)

Forma D scanalature dritte

TOL
materiale: HSSG media

N/mm² HRC
a 900 N/mm² 27,1 HRC

4-5 filetti

raffreddare e lubrificare

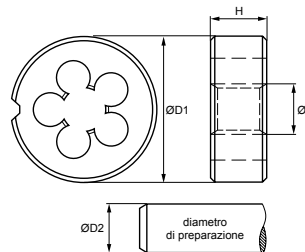
passo destro



Filiera tonda per uso generale

TOL
materiale: HSS media

Smusso: 1,75 filetti
passo destro



PG

PG	D1	D2	L1	L2	□	🔧	No.
PG 7 x 20	12,50	9,0	70	22	7,0	11,35	1221#01000000
PG 9 x 18	15,20	12,0	70	22	9,0	13,95	1221#01000050
PG 11 x 18	18,60	14,0	80	22	11,0	17,35	1221#010000A0
PG 13,5 x 18	20,40	16,0	80	22	12,0	19,15	1221#010000F0
PG 16 x 18	22,50	18,0	80	22	14,5	21,25	1221#010000K0
PG 21 x 16	28,30	22,0	90	22	18,0	26,90	1221#010000P0
PG 29 x 16	37,00	28,0	100	25	22,0	35,60	1221#010000U0
PG 36 x 16	47,00	36,0	140	40	29,0	45,60	1221#010000Z0
PG 42 x 16	54,00	40,0	140	40	32,0	52,60	1221#01000140
PG 48 x 16	59,30	45,0	160	40	35,0	57,90	1221#01000190

PG

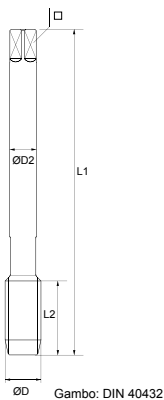
PG	D	D1	H	D2	No.
PG 7 x 20	12,5	38	10	12,5	1321#01000000
PG 9 x 18	15,2	45	14	15,2	1321#01000050
PG 11 x 18	18,6	45	14	18,6	1321#010000A0
PG 13,5 x 18	20,4	45	14	20,4	1321#010000F0
PG 16 x 18	22,5	55	16	22,5	1321#010000K0
PG 21 x 16	28,3	65	18	28,3	1321#010000P0
PG 29 x 16	37,0	65	18	37,0	1321#010000U0
PG 36 x 16	47,0	90	22	47,0	1321#010000Z0
PG 42 x 16	54,0	105	22	54,0	1321#01000140
PG 48 x 16	59,3	105	22	59,3	1321#01000190

FG Filattatura bicicletta / DIN 79012

Maschio a macchina per fori passanti e ciechi

La corta svasatura d'imbocco lo rende universale

Le scanalature possono contenere la maggior parte del truciolo



FG	D1	D2	L1	L2			No.
FG 6,35 x 26	6,35	7,0	80	14	5,5	5,50	1222#05000000
FG 7,9 x 26	7,90	8,0	90	16	6,2	7,00	1222#05000050
FG 9,5 x 26	9,50	7,0	90	16	5,5	8,60	1222#050000A0
FG 14,3 x 20 destro	14,30	11,0	100	22	9,0	13,10	1222#050000F0
FG 14,3 x 20 Sinistro	14,30	11,0	100	22	9,0	13,10	1222#050000K0
FG 25,4 x 24	25,40	14,0	110	22	11,0	24,50	1222#050000P0

BSC	D1	D2	L1	L2			No.
BSC 1/4 x 26	6,35	6,0	56	14	4,9	5,55	1223#01000000
BSC 5/16 x 26	7,94	6,0	63	16	4,9	7,10	1223#01000050
BSC 3/8 x 26	9,53	7,0	63	16	5,5	8,65	1223#010000A0
BSC 9/16 x 20 destro	14,29	11,0	70	22	9,0	13,15	1223#010000F0
BSC 9/16 x 20 Sinistro	14,29	11,0	70	22	9,0	13,15	1223#010000K0
BSC 1" x 24	25,40	14,0	70	22	11,0	24,50	1223#010000P0

BSC Filattatura britannica per biciclette / RS 811

Maschi a Macchina Corti

Forma C per fori passanti e fori ciechi

fori passanti & fori ciechi fino a 1,5 x D

Rimozione del truciolo (v. figura)

Forma C scanalature dritte

materiale: HSSE

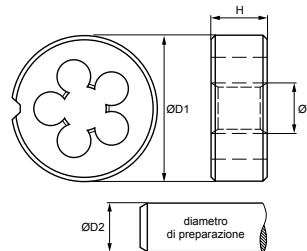
TOL media

N/mm² HRC a 900 N/mm² 27,1 HRC

2-3 filetti

raffreddare e lubrificare

passo destro



Filiere tonda per uso generale

materiale: HSS

TOL media

Smusso: 1,75 filetti

passo destro



FG	D	D1	H	D2	No.
FG 6,35 x 26	6,35	20,0	7	6,24	1322#01000000
FG 7,9 x 26	7,90	25,0	9	7,82	1322#01000050
FG 9,5 x 26	9,50	30,0	11	9,40	1322#010000A0
FG 14,3 x 20 destro	14,30	38,0	10	14,40	1322#010000F0
FG 14,3 x 20 Sinistro	14,30	38,0	10	14,40	1322#010000K0
FG 25,4 x 24	25,40	55,0	16	25,25	1322#010000P0

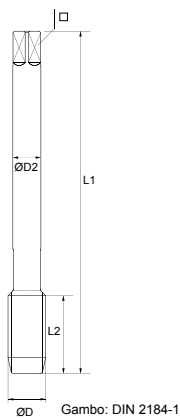
BSC	D	D1	H	D2	No.
BSC 1/4 x 26	6,35	20,6	6,35	6,24	1323#01000000
BSC 5/16 x 26	7,94	25,4	9,50	7,82	1323#01000050
BSC 3/8 x 26	9,53	25,4	9,50	9,40	1323#010000A0
BSC 7/16 x 26	11,11	25,4	9,50	10,98	1323#010000F0
BSC 9/16 x 20 destro	14,29	38,1	12,70	14,14	1323#010000K0
BSC 9/16 x 20 Sinistro	14,29	38,1	12,70	14,14	1323#010000P0
BSC 1" x 24	25,40	55,0	16,00	25,25	1323#010000U0

RD Filettatura a snodo / DIN 405

Maschio a macchina per fori passanti e ciechi

La corta svasatura d'imbocco lo rende universale

Le scanalature possono contenere la maggior parte del truciolo



Gambo: DIN 2184-1

RMS Società Reale di Microscopia / DIN 5888

Maschi Corti a Macchina

Forma C per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 1,5 x D

Rimozione del truciolo (v.figura)

Forma C scannelature dritte



materiale: HSE



media



to 800 N/mm²



2-3 filetti



raffreddare e lubrificare



passo destro



Filiera tonda per uso generale



materiale: HSS



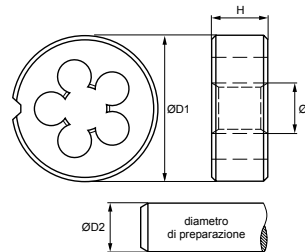
media



Smusso: 1,75 filetti



passo destro



RD

RD	D1	D2	L1	L2	□	🔪	No.
Rd 8 x 1/10	8,25	6,0	90	26	4,9	5,71	1224#05000000
Rd 9 x 1/10	9,25	7,0	90	26	5,5	6,71	1224#05000050
Rd 10 x 1/10	10,25	7,0	100	28	5,5	7,71	1224#050000A0
Rd 11 x 1/10	11,25	8,0	100	28	6,2	8,71	1224#050000F0
Rd 12 x 1/10	12,25	9,0	110	28	7,0	9,71	1224#050000K0
Rd 14 x 1/8	14,32	11,0	110	32	9,0	11,14	1224#050000P0
Rd 16 x 1/8	16,32	12,0	110	32	9,0	13,14	1224#050000U0
Rd 18 x 1/8	18,32	14,0	125	32	11,0	15,14	1224#050000Z0
Rd 20 x 1/8	20,32	16,0	140	32	12,0	17,14	1224#05000140
Rd 22 x 1/8	22,32	18,0	140	32	14,5	19,14	1224#05000190
Rd 24 x 1/8	24,32	18,0	160	34	14,5	21,14	1224#050001E0
Rd 26 x 1/8	26,32	20,0	160	36	16,0	23,14	1224#050001J0
Rd 28 x 1/8	28,32	20,0	160	36	16,0	25,14	1224#05000100
Rd 30 x 1/8	30,32	22,0	180	36	18,0	27,14	1224#050001T0
Rd 32 x 1/8	32,82	25,0	180	36	20,0	29,14	1224#050001Y0
Rd 34 x 1/8	34,32	28,0	200	36	22,0	31,14	1224#05000230
Rd 36 x 1/8	36,32	28,0	200	36	22,0	33,14	1224#05000280
Rd 38 x 1/8	38,32	28,0	200	38	22,0	35,14	1224#050002D0
Rd 40 x 1/6	40,42	32,0	200	50	24,0	36,19	1224#050002I0

RD

RD	D	D1	H	D2	No.
Rd 10 x 1/10	10,25	38	14	9,84	1324#01000000
Rd 11 x 1/10	11,25	38	14	10,84	1324#01000050
Rd 12 x 1/10	12,25	38	14	11,84	1324#010000A0
Rd 14 x 1/8	14,32	45	18	13,82	1324#010000F0
Rd 16 x 1/8	16,32	45	18	15,82	1324#010000K0
Rd 18 x 1/8	18,32	45	18	17,82	1324#010000P0
Rd 20 x 1/8	20,32	55	22	19,82	1324#010000U0
Rd 22 x 1/8	22,32	55	22	21,82	1324#010000Z0
Rd 24 x 1/8	24,32	55	22	23,82	1324#01000140
Rd 26 x 1/8	26,32	65	25	25,82	1324#01000190
Rd 28 x 1/8	28,32	65	25	27,82	1324#010001E0
Rd 30 x 1/8	30,32	65	25	29,82	1324#010001J0
Rd 32 x 1/8	32,82	65	25	31,82	1324#01000100

RMS

RMS	D1	D2	L1	L2	□	🔪	No.
W 0,8 x 36	20,35	16,0	80	18	12,0	19,45	1225#05000000

RMS

RMS	D	D1	H	D2	No.
W 0,8 x 36	20,35	45	14	20,00	1325#01000050

MINI

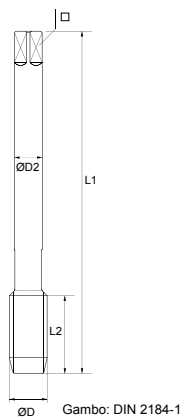
Filattatura Mini e Nano

Tagliente interno efficiente
nell'industria dell'orologeria
e della meccanica di alta
precisione

Per fori passanti e ciechi



Molto resistente alla rottura

Adatto al tornio automatico
e alla maschiatrice



Maschi a Macchina per uso generale


MINI

	D1	D2	L1	L2			No.	confezione
M 0,3 x 0,08	0,3	1,0	22	2,0	0,2	0,24	1226#05000000	10 pz.
M 0,35 x 0,09	0,4	1,0	22	2,0	0,3	0,28	1226#05000050	10 pz.
M 0,4 x 0,1	0,4	1,0	22	2,5	0,3	0,32	1226#050000A0	10 pz.
M 0,5 x 0,125	0,5	1,0	22	3,0	0,4	0,40	1226#050000F0	10 pz.
M 0,6 x 0,15	0,6	1,0	22	3,5	0,5	0,49	1226#050000K0	10 pz.
M 0,7 x 0,175	0,7	1,5	25	4,5	0,6	0,57	1226#050000P0	10 pz.
M 0,8 x 0,2	0,8	1,5	25	5,0	0,7	0,65	1226#050000U0	10 pz.
M 0,9 x 0,225	0,9	1,5	25	5,5	0,8	0,73	1226#050000Z0	10 pz.
M 1 x 0,15	1,0	1,5	25	6,0	0,9	0,89	1226#05000140	10 pz.
M 1 x 0,2	1,0	1,5	25	6,0	0,9	0,85	1226#05000190	10 pz.
M 1 x 0,25	1,0	1,5	25	6,0	0,8	0,81	1226#050001E0	10 pz.
M 1,1 x 0,25	1,1	1,5	25	7,0	0,9	0,91	1226#050001J0	10 pz.
M 1,2 x 0,15	1,2	1,5	25	7,0	1,1	1,09	1226#05000100	10 pz.
M 1,2 x 0,2	1,2	1,5	25	7,0	1,1	1,05	1226#050001T0	10 pz.
M 1,2 x 0,25	1,2	1,5	25	7,0	1,0	1,01	1226#050001Y0	10 pz.
M 1,3 x 0,3	1,3	1,5	25	8,0	1,1	1,07	1226#05000230	10 pz.
M 1,4 x 0,2	1,4	2,0	30	9,0	1,3	1,25	1226#05000280	10 pz.
M 1,4 x 0,25	1,4	2,0	30	9,0	1,2	1,21	1226#050002D0	10 pz.
M 1,4 x 0,3	1,4	2,0	30	8,5	1,2	1,17	1226#050002I0	10 pz.
M 1,5 x 0,3	1,5	2,0	30	10,0	1,3	1,27	1226#050002N0	10 pz.
M 1,6 x 0,2	1,6	2,0	30	10,0	1,5	1,45	1226#050002S0	10 pz.
M 1,6 x 0,25	1,6	2,0	30	10,0	1,4	1,41	1226#050002X0	10 pz.
M 1,6 x 0,35	1,6	2,0	30	10,0	1,3	1,30	1226#05000320	10 pz.
M 1,7 x 0,35	1,7	2,0	30	10,0	1,4	1,40	1226#05000370	10 pz.
M 1,8 x 0,2	1,8	2,0	30	10,0	1,7	1,65	1226#050003C0	10 pz.
M 1,8 x 0,25	1,8	2,0	30	10,0	1,6	1,61	1226#050003H0	10 pz.
M 1,8 x 0,35	1,8	2,0	30	10,0	1,5	1,50	1226#050003M0	10 pz.
M 2 x 0,2	2,0	3,0	35	13,0	1,9	1,85	1226#050003R0	10 pz.
M 2 x 0,25	2,0	3,0	35	13,0	1,8	1,81	1226#050003W0	10 pz.
M 2 x 0,4	2,0	3,0	35	13,0	1,7	1,65	1226#05000410	10 pz.
M 2,2 x 0,45	2,2	3,0	35	13,0	1,8	1,80	1226#05000460	10 pz.
M 2,3 x 0,4	2,3	3,0	35	13,0	2,0	1,95	1226#050004B0	10 pz.
M 2,4 x 0,45	2,4	3,0	40	15,0	2,0	2,00	1226#050004G0	10 pz.
M 2,5 x 0,45	2,5	3,0	40	15,0	2,1	2,10	1226#050004L0	10 pz.
M 2,6 x 0,45	2,6	3,0	40	15,0	2,2	2,20	1226#050004Q0	10 pz.

Camera-Tripod

Treppiede per fotocamera e filettatura C-Mount / DIN 4503

Tagliante interno efficiente

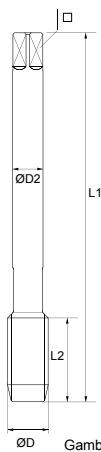
La struttura corta lo rende adatto all'uso a mano

Il maschio corto è utilizzabile anche a macchina.

Set Maschi a Mano include 2 maschi:

Maschio sgrossatore

Maschio finitore



Gambo: DIN 352

Maschi Corti a Macchina

Forma D per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 4 x D



Rimozione del truciolo (v.figura)



Forma D scanalature dritte



materiale: HSSG

TOL

media



N/mm² HRC

a 900 N/mm² 27,1 HRC



4-5 filetti



raffreddare e lubrificare



passo destro



Set Maschi a Mano

per uso generale



fori passanti & ciechi fino a 2 x D



Rimozione del truciolo (v.figura)



Forma C scanalature dritte



materiale: HSSG

TOL

media



N/mm² HRC

a 900 N/mm² 27,1 HRC



2-3 filetti



raffreddare e lubrificare



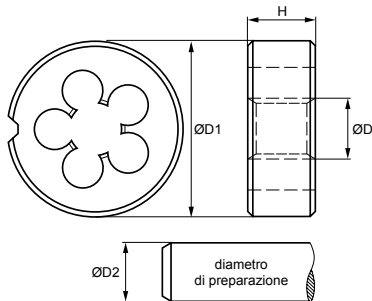
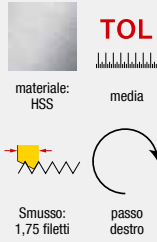
passo destro



Camera

	D1	D2	L1	L2			No.	No.
Cam.-Tripod 1/4"	6,35	6	50	19	4,9	5,20	1227#01000000	
Cam.-Tripod 3/8"	9,53	7	70	24	5,5	8,00	1227#01000050	
C-Mount 1" x 32	25,40	18	130	45	14,0	23,75	1227#010000A0	
S-Mount 12 x 0,5	12,00	9	70	22	7,0	11,50		1227#030000F0

Filiera tonda
per uso generale



Camera

	D	D1	H	D2	No.
Camera-Tripod 1/4"	6,35	20	7	6,22	1327#01000000
Camera-Tripod 3/8"	9,53	20	7	9,37	1327#01000050
C-Mount 1" x 32	25,40	55	16	25,25	1327#010000F0
S-Mount 12 x 0,5	12,00	38	10	11,92	1327#010000P0

Tagliante interno efficiente

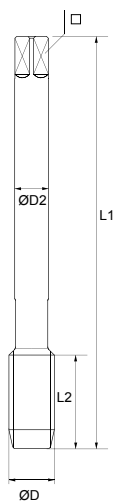
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Maschio sgrossatore

Maschio finitore



Maschi a Macchina Corto

Forma C per fori passanti e fori ciechi



fori passanti & fori ciechi fino a 4 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG media a 900 N/mm² 27,1 HRC



4-5 filetti

raffreddare e lubrificare

passo destro



Set Maschi a Mano per uso generale



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG media a 900 N/mm² 27,1 HRC



2-3 filetti

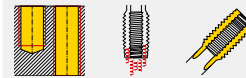
raffreddare e lubrificare

passo destro



Maschi a Macchina Corto

Forma C per fori passanti e fori ciechi



fori passanti & ciechi fino a 2 x D

Rimozione del truciolo (v.figura)

Forma C scanalature dritte



TOL

N/mm² HRC

materiale: HSSG media a 900 N/mm² 27,1 HRC



2-3 filetti

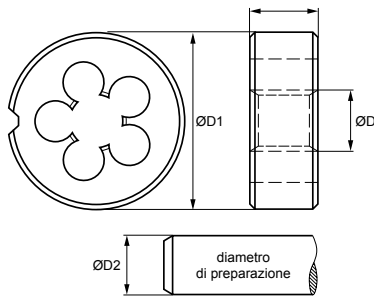
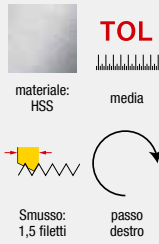
raffreddare e lubrificare

passo destro



	D1	D2	L1	L2			No.	No.	No.
DIN 2181									
VG 5 x 36	5,15	6,0	50	12	4,9	4,65	1228#01000000	1228#03000000	
VG 5,2 x 24	5,23	6,0	56	17	4,9	4,25	1228#01000050	1228#03000050	
VG 6 x 32	5,98	6,0	56	14	4,9	5,35	1228#010000A0	1228#030000A0	
VG 8 x 32	7,68	7,0	56	16	5,5	6,90	1228#010000F0	1228#030000F0	
VG 10 x 28	10,27	8,0	63	18	6,2	9,35	1228#010000K0	1228#030000K0	
VG 12 x 26	12,17	9,0	70	22	7,0	11,15	1228#010000P0	1228#030000P0	
DIN 374									
VG 5 x 36	5,15	6,0	70	12	4,9	4,65			1228#05000000
VG 5,2 x 24	5,23	6,0	80	17	4,9	4,25			1228#05000050
VG 6 x 32	5,98	7,0	80	14	5,5	5,35			1228#050000A0
VG 8 x 32	7,68	8,0	80	16	6,2	6,90			1228#050000F0
VG 10 x 28	10,27	8,0	90	18	6,2	9,35			1228#050000K0
VG 12 x 26	12,17	9,0	100	22	7,0	11,15			1228#050000P0

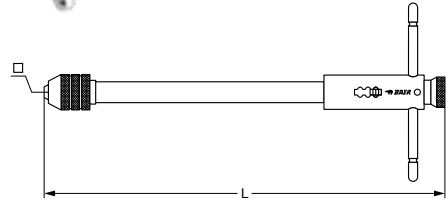
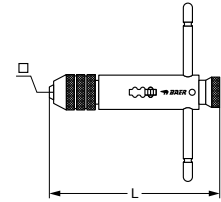
Filiera tonda
per uso generale



VG

	D	D1	H	D2	No.
VG 5 x 36	5,15	20	7	5,15	1328#01000000
VG 5,2 x 24	5,23	20	7	5,23	1328#01000050
VG 6 x 32	5,98	20	7	5,98	1328#010000A0
VG 8 x 32	7,68	25	9	9,60	1328#010000F0
VG 10 x 28	10,27	30	11	10,27	1328#010000K0
VG 12 x 26	12,17	30	11	12,17	1328#010000P0

Giramaschi a cricchetto



x Maschi

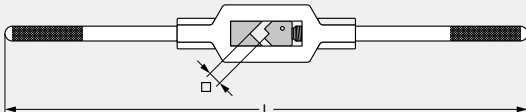
taglia	metrico	pollici	<input type="checkbox"/>	L1	No.
1	M 3 - M 10	1/8 - 3/8	<input type="checkbox"/>	85	1500#00101001
2	M 5 - M 12	7/32 - 1/2	<input type="checkbox"/>	100	1500#00101002
10	M 3 - M 10	1/8 - 3/8	<input type="checkbox"/>	250	1500#00101010
20	M 5 - M 12	7/32 - 1/2	<input type="checkbox"/>	300	1500#00101020



Giramaschi regolabile Pro - Premium zincato

x Maschi

taglia	metrico	pollici	G (BSP)	<input type="checkbox"/>	L1	No.
0	M 1 - M 8	1/16 - 1/4		<input type="checkbox"/>	130	1500#00201000
1	M 1 - M 10	1/16 - 3/8	G 1/8	<input type="checkbox"/>	176	1500#00201010
1.1/2	M 1 - M 12	1/16 - 1/2	G 1/8	<input type="checkbox"/>	176	1500#00201015
2	M 4 - M 12	5/32 - 1/2	G 1/8	<input type="checkbox"/>	280	1500#00201020
3	M 5 - M 20	7/32 - 3/4	G 1/8 - G 1/2	<input type="checkbox"/>	380	1500#00201030
4	M 11 - M 27	7/16 - 1"	G 1/4 - G 3/4	<input type="checkbox"/>	505	1500#00201040
5	M 13 - M 32	1/2 - 1.1/4	G 1/4 - G 1"	<input type="checkbox"/>	700	1500#00201050
6	M 18 - M 42	3/4 - 1.1/2	G 1/2 - 1.1/4"	<input type="checkbox"/>	1000	1500#00201060

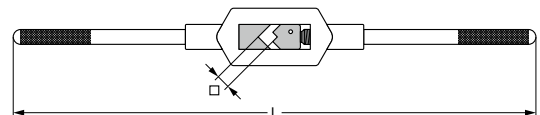


Giramaschi regolabile



x Maschi

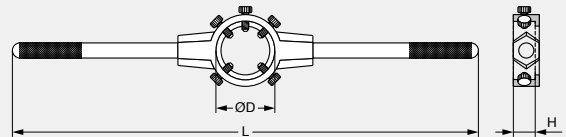
taglia	metrico	pollici	G (BSP)	<input type="checkbox"/>	L1	No.
0	M 1 - M 8	1/16 - 1/4		<input type="checkbox"/>	130	1500#00202000
1	M 1 - M 10	1/16 - 3/8		<input type="checkbox"/>	180	1500#00202010
1.1/2	M 1 - M 12	1/16 - 1/2	G 1/8	<input type="checkbox"/>	205	1500#00202015
2	M 4 - M 12	5/32 - 1/2	G 1/8	<input type="checkbox"/>	280	1500#00202020
3	M 5 - M 20	7/32 - 3/4	G 1/8 - G 1/2	<input type="checkbox"/>	380	1500#00202030
4	M 11 - M 27	7/16 - 1"	G 1/4 - G 3/4	<input type="checkbox"/>	500	1500#00202040
5	M 13 - M 32	1/2 - 1.1/4	G 1/4 - G 1"	<input type="checkbox"/>	700	1500#00202050
6	M 18 - M 42	3/4 - 1.1/2	G 1/2 - G 1.1/4	<input type="checkbox"/>	1000	1500#00202060
7	M 27 - M 52	1.1/8 - 2"	G 3/4 - G 1.3/4	<input type="checkbox"/>	1250	1500#00202070
8	M 27 - M 64	1.1/8 - 3"	G 3/4 - G 3"	<input type="checkbox"/>	1250	1500#00202080



Portafilere Pro - zincatura premium

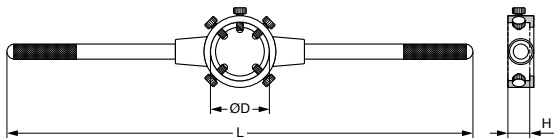
Per Filiera tonda

Ø D x H	metrico		L1	No.
	metrico	pollici		
16 x 5	M 1 - M 2,6	BSW 1/16 - BSW 3/32	160	1500#00301001
20 x 5	M 3 - M 4	BSW 1/8 - BSW 5/32	200	1500#00301002
20 x 7	M 4.5 - M 6	BSW 3/16 - BSW 1/4	200	1500#00301003
25 x 9	M 7 - M 9	BSW 5/16	224	1500#00301004
30 x 11	M 10 - M 11	BSW 3/8 - BSW 7/16	280	1500#00301005
38 x 10	MF 12 - MF 15	G 1/4	315	1500#00301006
38 x 14	M 12 - M 14	BSW 1/2 - BSW 9/16	315	1500#00301007
45 x 14	MF 16 - MF 20	G 3/8-1/2	450	1500#00301008
45 x 18	M 16 - M 20	BSW 5/8 - BSW 13/16	450	1500#00301009
55 x 16	MF 22 - MF 26	G 5/8 - G 3/4	560	1500#00301010
55 x 22	M 22 - M 24	BSW 7/8 - BSW 1"	560	1500#00301011
65 x 18	MF 27 - MF 36	G 7/8 - G 1"	630	1500#00301012
65 x 25	M 27 - M 36	BSW 1.1/8 - BSW 1.3/8	630	1500#00301013


Portafilere - zincato

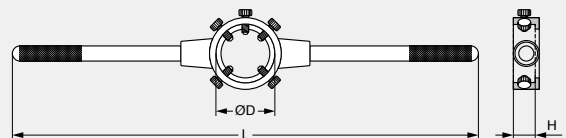
Per Filiera tonda

Ø D in pollici	Ø D (mm) x H (mm)	Ø D (pollici) x H (pollici)	L1	No.
13/16"	20,6 x 6,35	13/16 x 1/4	200	1500#00302014
1"	25,4 x 9,5	1" x 3/8	224	1500#00302015
1.5/16"	33,4 x 11,1	1.5/16 x 7/16	270	1500#00302016
1.1/2"	38,1 x 12,7	1.1/2 x 1/2	315	1500#00302017
2"	50,8 x 15,9	2" x 5/8	560	1500#00302018
2.1/4"	57,1 x 17,5	2.1/4 x 11/16	560	1500#00302019
2.1/2"	63,5 x 19,0	2.1/2 x 3/4	630	1500#00302020
3"	76,2 x 22,2	3" x 7/8	900	1500#00302021
3.1/2"	88,9 x 25,4	3.1/2" x 1"	900	1500#00302022
4"	101,6 x 25,4	4" x 1"	1000	1500#00302023


Portafilere - acciaio

Per Filiera tonda

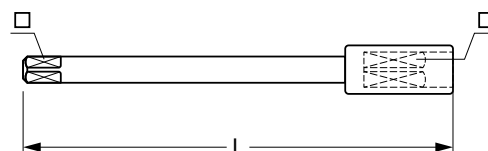
Ø D x H	metrico		L1	No.
	metrico	pollici		
45 x 18	M 16 - M 20	BSW 5/8 - BSW 13/16	450	1500#00303001
55 x 22	M 22 - M 24	BSW 7/8 - BSW 1"	560	1500#00303002
65 x 25	M 27 - M 36	BSW 1.1/8 - BSW 1.3/8	630	1500#00303003
75 x 20	MF 38 - MF 42	G 1.1/8 - G 1.1/4	800	1500#00303004
75 x 30	M 38 - M 42	BSW 1.1/2 - BSW 1.5/8	800	1500#00303005
90 x 22	MF 45 - MF 52	G 1.3/8 - G 1.5/8	900	1500#00303006
90 x 36	M 45 - M 52	BSW 1.3/4 - BSW 2"	900	1500#00303007
105 x 22	MF 54 - MF 63	G 1.3/4 - G 2"	975	1500#00303008
105 x 36	M 54 - M 63	BSW 2.1/4	975	1500#00303009
120 x 22	MF 64 - MF 71	G 2.1/4 - G 2.3/4	956	1500#00303010
120 x 36	M 64 - M 71	BSW 2.1/2 - BSW 2.3/4	956	1500#00303011
130 x 25		G 3"	966	1500#00303012
130 x 36			966	1500#00303013
140 x 22			976	1500#00303014
150 x 25		G 3.1/2"	986	1500#00303015
160 x 25		G 4"	996	1500#00303016



Prolunga per Maschi



	x Maschi		No.
□	L1	metric DIN 352	
	2,1	60 M 1 - M 2,6	1500#00401021
	2,4	70	1500#00401024
	2,7	80 M 3	1500#00401027
	3,0	90 M 3,5	1500#00401030
	3,4	95 M 4	1500#00401034
	3,8	100	1500#00401038
	4,3	105	1500#00401043
	4,9	110 M 4,5 - M 8	1500#00401049
	5,5	115 M 9 - M 10	1500#00401055
	6,2	120 M 11	1500#00401062
	7,0	125 M 12	1500#00401070
	8,0	125	1500#00401080
	9,0	130 M 14 - M 16	1500#00401090
	10,0	140	1500#00401100
	11,0	150 M 18	1500#00401110
	12,0	155 M 20	1500#00401120
	13,0	165	1500#00401130
	14,5	175 M 22 - M 24	1500#00401145
	16,0	180 M 27	1500#00401160
	18,0	200 M 30	1500#00401180
	20,0	220 M 33	1500#00401200
	22,0	220 M 36	1500#00401220
	24,0	235 M 39 - M 42	1500#00401240
	26,0	250	1500#00401260
	29,0	265 M 45 - M 48	1500#00401290
	32,0	285 M 52	1500#00401320



Guide PRO per filiere M 3 - M 12

per Filiere tonde DIN 223 = EN 22568

per portafiliera DIN 225 = EN 22568

Applicazione:

- La guida sarà posizionata tra la filiera e il portafiliera. Per un corretto allineamento tra la filiera e l'asse del pezzo

Vantaggi:

- in acciaio anodizzato
- accurato allineamento della filettatura
- filettatura più precisa
- minor difettosità
- migliore evacuazione del truciolo, grazie alla guida con fori di compensazione
- adatta per filetti destri e sinistri e per tutti i passi possibili



Art.:
1500#00401012



100 ml
Art.: 1500#00501000

Pasta da taglio ad alte prestazioni

La pasta da taglio con additivi ad alta pressione raggiunge una lubrificazione estremamente elevata. La pasta che aderisce ai bordi di taglio diventa liquida solo quando viene utilizzata (utilizzare la pasta da taglio non diluita). La lubrificazione è importante per i processi di rimozione dei trucioli.

Vantaggi:

- ✓ Non contiene petrolio, cloro o zolfo
- ✓ Migliora sensibilmente la durata dell'utensile
- ✓ Non lascia una pellicola d'olio untuosa sul pezzo

Applicazione:

- ⚙ Foratura, maschiatura, filettatura, alesatura, fresatura, carotatura, segatura, oltre che per la truciatura pesante e per tutte le operazioni di lavorazione..

Per tutti gli materiali: ferro, acciaio, acciaio per utensili, acciai altamente legati, leghe di cromo-nichel, alluminio, titanio, manganese, acciaio fuso, ghisa, ottone, bronzo e tutti gli acciai inossidabili AISI 304, AISI 316, INOX ecc.

Svasatori

HSSG 90°
Svasatori
per uso generale

HSSE-VAP 90°
Svasatori
per acciai
inossidabili

HSSG-Bit 90°
Svasatori
per avvitatori
elettrici

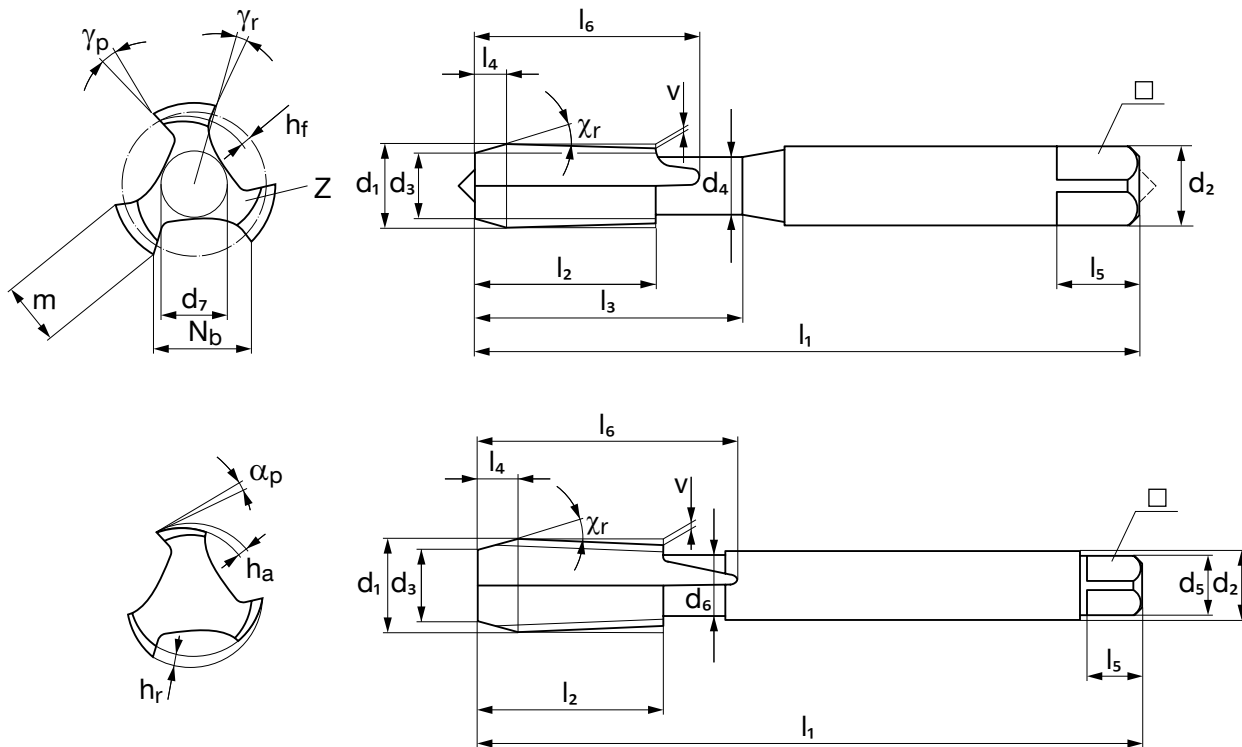


dimensione	No.	No.	No.
6,3 mm (M 3)	1500#00601063	1500#00602063	1500#00603063
8,3 mm (M 4)	1500#00601083	1500#00602083	1500#00603083
10,4 mm (M 5)	1500#00601104	1500#00602104	1500#00603104
12,4 mm (M 6)	1500#00601124	1500#00602124	1500#00603124
16,5 mm (M 8)	1500#00601165	1500#00602165	1500#00603165
20,5 mm (M 10)	1500#00601205	1500#00602205	1500#00603205
25,0 mm (M 12)	1500#00601250	1500#00602250	
31,0 mm (M 16)	1500#00601310	1500#00602310	
Set 6,3 8,3 10,4 12,4 16,5 20,5 mm*	1500#00601901	1500#00602901	1500#00603901
Set 6,3 10,4 16,5 20,5 25,0 mm*	1500#00601902	1500#00602902	



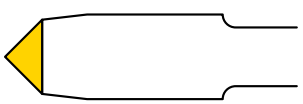
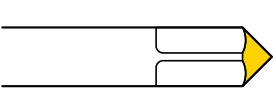
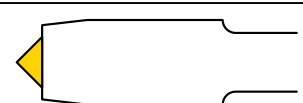
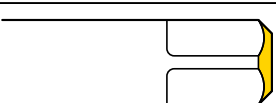
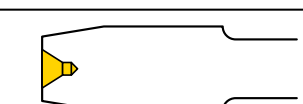
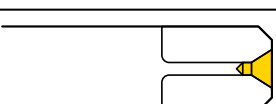
* foto del set

Geometrie dei maschi

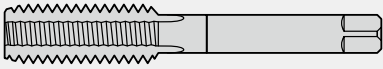
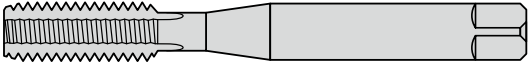
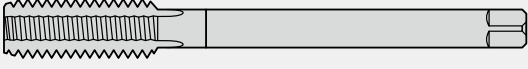

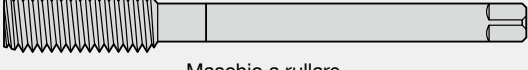


d1 Diametro filetto	Z Numero di taglienti
d2 Diametro gambo	v Conicità posteriore (rilievo assiale)
d3 Diametro smusso	xr Angolo dello smusso
d4 Diametro nocciolo	Nb Larghezza della scanalatura
d5 Quadro di aggancio	m Larghezza del tagliente
d6 Diametro nocciolo	ha Rilievo dello smusso
d7 Diametro ingresso	hf Rilievo sui fianchi
l1 Lunghezza totale	hr Rilievo dello smusso
l2 Lunghezza filettatura	alpha_p Angolo di spoglia inferiore
l3 Lunghezza utile	gamma_p Angolo di spoglia superiore
l4 Lunghezza smusso	
l5 Lunghezza quadro	
l6 Lunghezza scanalature	
<input type="checkbox"/> Dimensione del quadro	

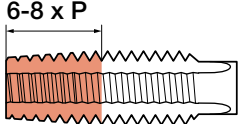
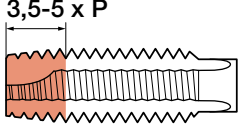
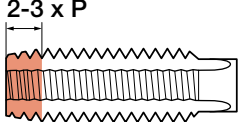
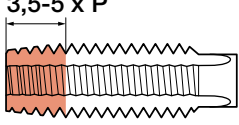
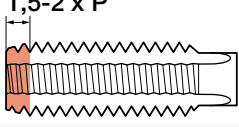
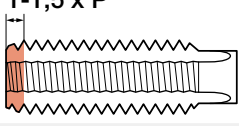
Centratura dei maschi

 Punto di centro	$< \varnothing 5,6 \text{ mm}$	 Punto di centro
 Centraggio del punto di centro	$\varnothing 5,6 \text{ mm} - 12,8 \text{ mm}$	 Smusso di centratura
 Foro di centraggio	$> \varnothing 12,8 \text{ mm}$	 Foro di centraggio

Forme di costruzione dei maschi

	DIN 352	DIN 2181	DIN 5157	DIN 40432
Maschio				
	DIN 371	DIN 40435		
Maschio				
	DIN 376	DIN 374	DIN 5156	DIN 40433
Maschio				DIN 40435
	DIN 2174	DIN 371		
Maschio a rullare				
	DIN 2174	DIN 376	DIN 2189	
Maschio a rullare				

Forme di smusso dei maschi

	Forma A lunga, 6 - 8 filetti scanalature dritte per fori passanti corti
	Forma B media, 3,5 - 5,5 filetti scanalature dritte con punta a spirale per fori passanti in materiali a truciolo medio e lungo
	Forma C corta, 2 - 3 filetti scanalature dritte e a spirale per fori ciechi in materiali a truciolo medio e lungo per fori passanti in materiali a truciolo corto
	Forma D media, 3,5 - 5 filetti scanalature dritte e a spirale 15° per fori ciechi con filettatura a passo lungo per fori passanti corti
	Form E molto corta, 1,5 - 2 filetti scanalature dritte e a spirale 15° per fori ciechi con filettatura a passo corto
	Form F molto corta 1 - 1,5 filetti scanalature dritte e a spirale per fori ciechi con filettatura a passo corto Sconsigliato

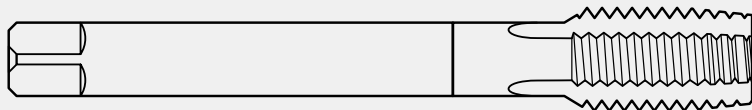
Nota:

Smussi corti realizzano filetti più vicino al fondo del foro

Smussi lunghi riducono lo sforzo sulla cresta del tagliente (raccomandati per materiali ad alta resistenza)

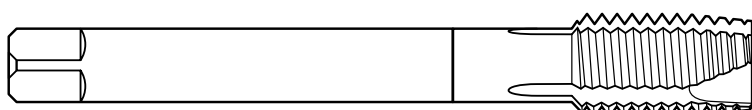
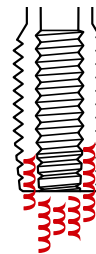
Smussi lunghi aumentano lo sforzo torcente

Tipi di scanalature



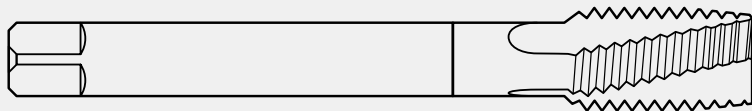
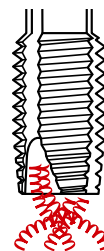
Form A, C, E
scanalature dritte
per fori passanti e ciechi

Le scanalature possono contenere una parte dei trucioli. I trucioli vengono rimossi solo in parte nella direzione di taglio. Per questo motivo non è consigliabile utilizzarlo per i fori profondi.



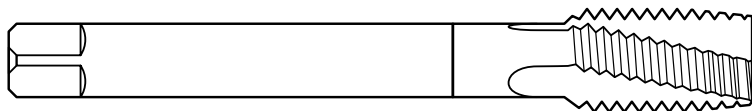
Forma B
scanalature dritte con punta a spirale
per fori passanti

Grazie alla punta a spirale, i trucioli vengono rimossi in modo da essere strettamente arrotolati nella direzione di taglio e da evitare l'intasamento dei trucioli. Il lubrificante refrigerante può scorrere liberamente.



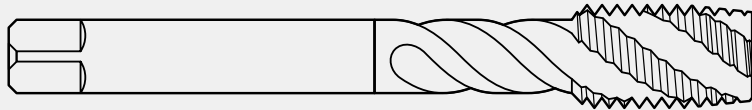
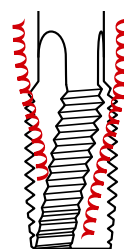
Forma C, D
8 - 15° Filettatura sinistra, scanalature a spirale
per fori passanti

Grazie alla scanalatura sinistra a spirale, l'angolo di spoglia rimane costante e garantisce ottime filettature su materiali ad alta resistenza. La scanalatura a mano sinistra a spirale costringe i trucioli a uscire davanti al maschio.



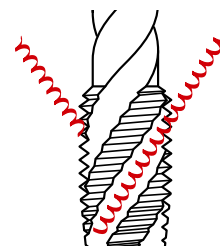
Forma C, E
10 - 15° Filettatura destra, scanalature a spirale
per fori ciechi

Particolarmente adatto per torni automatici e macchine multimandrino. Grazie all'asportazione del truciolo contro la direzione di taglio, è garantito un processo di maschiatura sicuro in condizioni difficili.

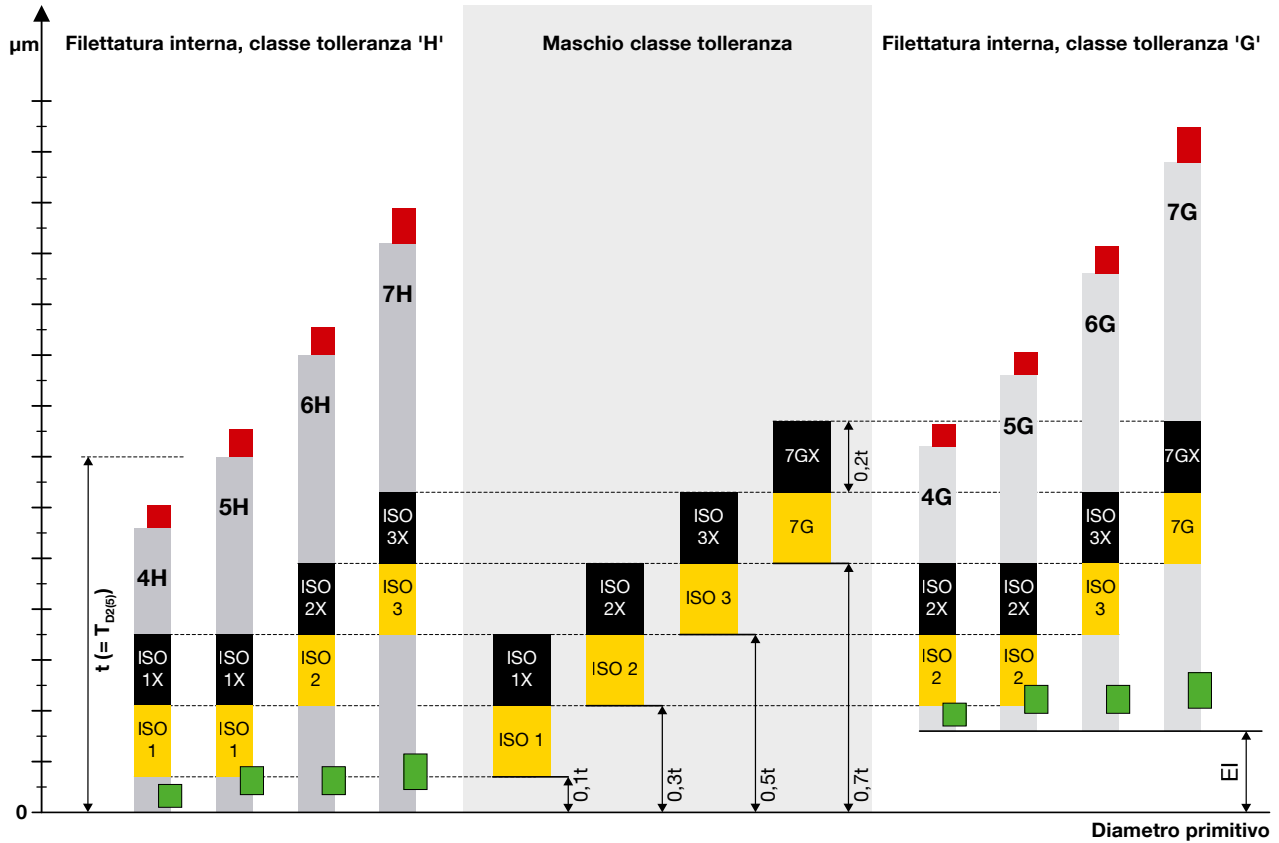


Forma C, E
35 - 50° Filettature destra, scanalature a spirale
per fori ciechi

Grazie alla accentuata scanalatura a spirale, i trucioli possono essere rimossi in modo sicuro anche in fori ciechi e profondi.



Tolleranze



- Tolleranza sul diametro primitivo interno del filetto, secondo DIN ISO 965-1
 - Maschi con specifiche tolleranze sul diametro primitivo
 - Tolleranze sul diametro primitivo del maschio, secondo DIN EN 22857
 - Tolleranze sul diametro primitivo del calibro „non passa“, secondo DIN ISO 1502
 - Tolleranze sul diametro primitivo del calibro „passa“, secondo DIN ISO 1502
- EI = Base
- t = Classe di tolleranza 5 della filettatura interna primitivo (unità di tolleranza)
- TD2= Tolleranza sul diametro primitivo

Classe di tolleranza maschi	Campo di tolleranza filettatura interna			Note	Applicazione		
4H (DIN 802/1)	ISO 1	4H	5H	minorata	Filettatura con tolleranza stretta		
6H (DIN 802/1)	ISO 2	4G	5G	6H	normale	Filettatura con tolleranza normale	
6G (DIN 802/1)	ISO 3		6G	7H	8H	maggiorata	Filettatura con tolleranza ampia
7G (DIN 802/4)			7G	8G		maggiorata	Prima del trattamento a caldo, causa di distorsione
6H +0,1						maggiorata	Tolleranza di galvanizzazione ≈ 25µm spessore
6H +0,2						maggiorata	Tolleranza di galvanizzazione ≈ 50µm spessore

Trattamenti superficiali



TIN (nitruro di titanio) rivestimento

il trattamento superficiale TIN (giallo oro) aumenta la durezza superficiale (approssimativamente 2300 HV) e le proprietà di scorrevolezza. Allunga la vita dell'utensile.



VAP (vaporizzato - temprato a vapore)

La superficie ossidata (vaporizzata) migliora l'adesione dell'olio di taglio e fornisce un film lubrificante stabile. La saldatura a freddo sui fianchi del maschio è ridotta.



TiAlN (Nitruro di alluminio e titanio) rivestimento

Il trattamento superficiale TiAlN aumenta la durezza superficiale (approssimativamente 3300 HV), le proprietà di scorrevolezza (coefficiente di attrito 0,25) e la resistenza alle alte temperature fino a 800°. Permette una migliore prestazione di taglio e una più lunga vita dell'utensile.



TiCN (carbonitruro di titanio) coating

il trattamento superficiale TiCN (grigio violetto) aumenta la durezza superficiale (approssimativamente 3000 HV), le proprietà di scorrevolezza (coefficiente di attrito 0,3) e permette una migliore prestazione di taglio e una più lunga vita dell'utensile.

Rivestimenti a richiesta

ogni utensile per la realizzazione di filettature di nostra produzione, che sia nel catalogo o fuori di esso, può essere fornito con qualsiasi rivestimento o trattamento superficiale in breve tempo.

Guida alla risoluzione di problemi di maschiatura

Maschiatura minorata

errore di passo
tolleranze troppo strette
geometria del maschio non corretto per il materiale

Maschiatura maggiorata

velocità di maschiatura troppo alta
pessima precisione di corsa
intasamento dei trucioli
incorretto posizionamento del pezzo o del maschio
incorretta alimentazione del maschio
tolleranza troppo ampia

Superficie della filettatura scadente

velocità di taglio non corretta
raffreddamento scarso o inesistente
geometria del maschio inadatta
foro troppo piccolo

Filettatura rovinata

geometria del maschio non corretto per il materiale
foro troppo piccolo
foro non sufficientemente profondo
intasamento dei trucioli nelle scanalature
cattiva precisione di corsa
incorretto posizionamento del pezzo o del maschio
incorretta alimentazione del maschio

Vita dell'utensile troppo breve

velocità di lavoro incorrette
raffreddamento scarso o inesistente
geometria del maschio inadatta
foro troppo piccolo
necessità di un rivestimento/trattamento sul maschio
intasamento dei trucioli nelle scanalature

Rottura del portamaschio

geometria del maschio inadatta
foro troppo piccolo
foro non sufficientemente profondo
intasamento dei trucioli nelle scanalature
cattiva precisione di scorrimento
posizionamento errato del pezzo o del maschio
avanzamento incoerente del maschio
maschio usurato

Saldatura a freddo sul maschio

velocità di lavoro incorrette
lubrificazione inadeguata

Velocità di taglio dei maschi

Le velocità di taglio per i maschi dipende dai questi parametri:

- ✓ materiale da lavorare
- ✓ geometrie del maschio
- ✓ lubrificazione
- ✓ altro

Ulteriori indicazioni sulla velocità di taglio nelle descrizioni dei maschi nel nostro sito www.intense-shop.it

Lubrificazione e raffreddamento

È raccomandato attenersi ai suggerimenti sotto proposti per migliorare i risultati della filettatura e della durata dell'utensile.

Lavorazione a secco e aria pressurizzata

- ✓ ghisa
- ✓ l'aria fredda pressurizzata è utilizzata per rimuovere i trucioli

Emulsione

- ✓ i più comuni lubrificanti refrigeranti per il taglio delle filettature

Olio da taglio

- ✓ garantisce eccellenti superfici delle filettature e di durata degli utensili

Pasta da taglio

- ✓ adatta a maschi autoformanti
- ✓ buoni risultati con direzioni di taglio orizzontali
- ✓ per diametri grossi e fori passanti

MQL - Quantità minima di lubrificazione

- ✓ raffreddamento con aerosol

Formule

Descrizione	Simbolo	Unità	Formula	Esempio
Velocità di rotazione	n	min ⁻¹		
Velocità angolare	ω	s ⁻¹	$\omega = \frac{2 \cdot \pi \cdot n}{60}$	n = 400 min ⁻¹ $\omega = \frac{2 \cdot \pi \cdot 400}{60}$ $\omega = 41,89 \text{ s}^{-1}$
Velocità di taglio	v _c	m/min	$v_c = \frac{d \cdot \omega}{33,3}$ $v_c = \frac{d \cdot \pi \cdot n}{1000}$	n = 400 min ⁻¹ , d = 20 mm $v_c = \frac{20 \cdot \pi \cdot 400}{1000}$ v _c = 25,133 mm
Avanzamento per giro	f	mm		
Velocità avanzamento	v _f	mm/min	v _f = f · n	n = 400 min ⁻¹ f = 0,800 mm v _f = 0,800 · 400 v _f = 320 mm/min
Forza	F	N	F = k _c · A	
Momento torcente	M	Nm	M = $\frac{F \cdot d}{2000}$	F = 200 N, d = 20 mm M = $\frac{200 \cdot 20}{2000}$ M = 2 Nm
Lavoro	W	J	M = F · U	F = 200 N, d = 20 mm M = $\frac{d \cdot \pi}{1000} = 0,063$ W = 200 · 0,063 = 12,6 J
Potenza	P	W	P = $\frac{F \cdot v_c}{60}$ P = M · ω	F = 200 N, v _c = 25,133 m/min P = 83,78 W M = 2 Nm, $\omega = 41,89 \text{ s}^{-1}$ P = 83,78 W
Efficienza	η	-	$\eta = \frac{P_{ab}}{P_{an}}$ $\eta < 1$	P _{ab} = 58,65, P _{an} = 83,78 W $\eta = \frac{58,65}{83,78} = 0,7$

$\pi = 3,141592654$

d = Diametro in mm

U = Circonferenza in m

1 kW = 1,36 PS

1 PS = 0,736 kW

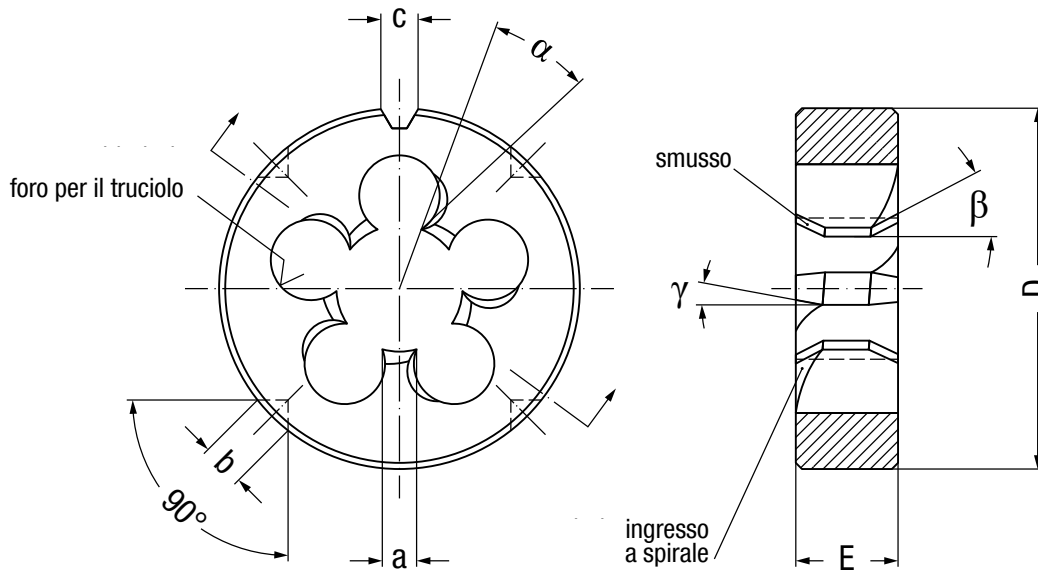
$1 \frac{\text{m}}{\text{s}} = 60 \frac{\text{m}}{\text{min}}$

1/s = 60/min = 1 Hz

$1 \text{ J} = 1 \text{ Nm} = 1 \frac{\text{kg} \cdot \text{m}^2}{\text{s}^2}$

$1 \text{ W} = 1 \frac{\text{J}}{\text{s}} = 1 \frac{\text{Nm}}{\text{s}} = 1 \frac{\text{kg} \cdot \text{m}^2}{\text{s}^3}$

Geometrie delle filiere tonde



D diametro esterno
E spessore
a larghezza del dente
c larghezza della tacca

b diametro del foro per la vite di fissaggio
α angoli di spoglia
β angolo di smusso
γ angolo della spirale

Preparazione del pezzo:

- ☑ smusso concentrico - facile ingresso per il taglio
- ☑ il diametro del pezzo deve essere inferiore al diametro nominale

Smusso

- ☑ smusso standard: lunghezza vedi articolo
- ☑ smusso a spirale: libero flusso dei trucioli dalla filiera e riduzione della coppia di taglio, migliore superficie della filettatura e lunga vita della filiera
- ☑ smusso a 70° (corto): lunghezza dello smusso 1,25 passo = 70°

Tolleranze per le filiere tonde

Filettatura Metrica ISO secondo DIN 13 - passo grosso e fine

4h = tolleranza „stretta“

6h = tolleranza „media“, per diametri piccoli (fino a M 1,4)

6g = tolleranza „media“ - standard

6e = tolleranza sottodimensionata per viti che devono ricevere un trattamento (spessore fino a 8 μm).

le filiere 6e tagliano circa 0,03 mm in meno rispetto al normale 6g

8e = tolleranza sottodimensionata per viti che devono ricevere un trattamento di alto spessore (spessore circa 16 - 18 μm)

Filettature UNC, UNF, UNEF, UNS, UN, UNJC, UNJF ecc.

3A = tolleranza „stretta“

2A = tolleranza standard „media“

1A = tolleranza „ampia“

Filettature Whitworth G (BSP) acc. DIN-ISO 228

A = tolleranza standard „media“

B = tolleranza „ampia“

Velocità di taglio per maschi a macchina a rullare

materiale	resistenza alla trazione	velocità di formazione in m/min	Raccomandazioni per lubrificazione
Acciaio da costruzione, acciaio da lavorazione libera, acciaio da estrusione a freddo	< 600 N/mm ²	20 - 80	Olio da taglio/ Emulsione
Acciaio da costruzione, acciaio bonificato, acciai da fusione ecc.	< 800 N/mm ²	20 - 60	Olio da taglio/ Emulsione
Acciaio bonificato, acciaio estruso a freddo, acciaio nitrurato ecc.	< 1000 N/mm ²	10 - 40	Olio da taglio
Acciai ferritici e martensitici resistenti alla corrosione e agli acidi	< 950 N/mm ²	10 - 25 (con emulsione, solo per applicazioni limitate)	Olio da taglio
Acciai austenitici resistenti alla corrosione e agli acidi	< 950 N/mm ²	10 - 25 solo per applicazioni limitate	Olio da taglio
Leghe di alluminio lavorato	< 550 N/mm ²	15 - 40	Olio da taglio/ Emulsione
Leghe di alluminio fuso	Si < 12%	15 - 40	Olio da taglio/ Emulsione
Rame puro	< 400 N/mm ²	20 - 40	Olio da taglio/ Emulsione
Leghe rame-zinco (ottone a truciolo lungo)	< 550 N/mm ²	40 - 80	Emulsione

Velocità di formatura (taglio) [m/min] = (diametro * π * numero di rotazione) / 1000

Numero di giri n [1/min] = (velocità di taglio in m/min * 1000) / (diametro * π)

Programmazione di alimentazione [mm/min] = numero di rotazioni * passo

Per favore tenere presente che le velocità di taglio menzionate sono indicative.

La più precisa velocità di taglio dipende dalla lubrificazione e dall'applicazione



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