



# FILETTI RIPORTATI


WIRE INSERTS

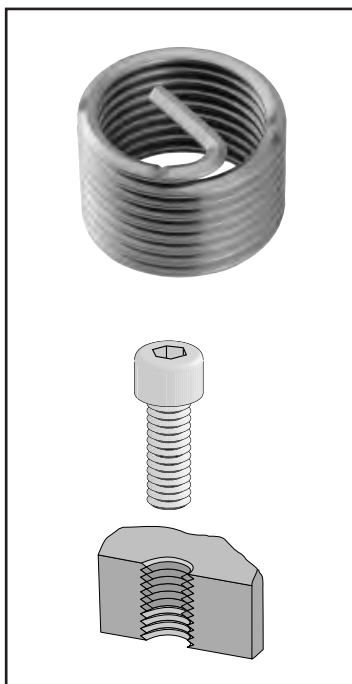
GEWINDEEINSÄTZE

FILETS RAPPORTÉS

FILETES INSERTOS ROSCADOS

# FIXI

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I filetti riportati sono costruiti in inox (**X 10 Cr Ni 18-8**) e vengono utilizzati per rinforzare o riparare tutti i tipi di foro. Particolarmente adatti per i materiali teneri (alluminio, magnesio), i filetti riportati sono resistenti al calore (fino a 425 °C per brevi periodi, oltre i 325° senza interruzioni), alla corrosione, agli agenti atmosferici e alle sollecitazioni meccaniche.

Vengono utilizzati in diversi settori (ferroviario, meccanico, militare, elettronico, automobilistico, aerospaziale). E' possibile trattare superficialmente i filetti riportati con lubrificanti a secco, zincature o argentature.

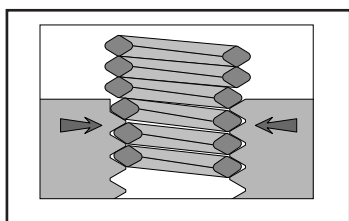
E' disponibile inoltre una versione colorata di verde che rende più visibile la presenza del filetto riportato all'interno dei fori delle basi di alluminio.

**Compatibili con la DIN 8140.**

*Wire inserts are made in stainless steel (X 10 Cr Ni 18-8) and are used to reinforce or repair all types of tappings.*

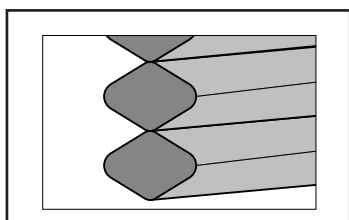
*Particularly adapted for soft materials (aluminium, magnesium), wire inserts presents a high resistance to thermal (up to 425°C for a short period of time and up to 325° C without interruption), corrosive, atmospheric conditions and mechanical strain. They are used in different areas ( railway, mechanics, armament, electronics, car industry, aerospace). Possible coatings: dried lubrication, zinc plating, silver plating. Wire insert can be delivered in green colour that makes the thread visible to the eye when it is inserted in aluminium tappings.*

**Comply with the DIN 8140.**



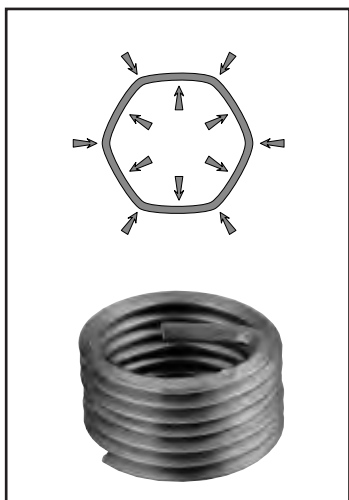
Siccome il diametro originale dei filetti riportati è più largo del foro nel quale viene inserito, **è impossibile svitarlo.**

*As its original diameter is larger than the one of the tapping which receives it, **It is impossible to unscrew.***



Il filo in inox di sezione diamantata ha una **resistenza alla trazione di 1400 N/mm<sup>2</sup>.**

*Diamond-sectioned stainless steel rolled wired with a 1400 N/mm<sup>2</sup> tensile strength.*



### “Versione autobloccante”

La versione autobloccante dei filetti riportati presenta una o più spire di forma poligonale che esercitando una pressione sulle pareti del foro filettato, rendono impossibile lo svitamento della vite.

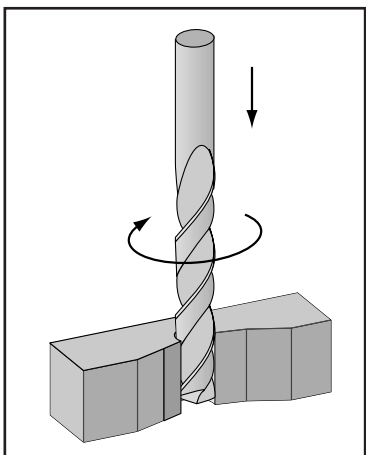
La versione autobloccante viene fornita colorata di rosso.

### “Self locking version”

*Self locking version of thread insert presents one or more deformed polygon shaped turns which exert pressure on the thread walls thus it makes it impossible to unscrew.*

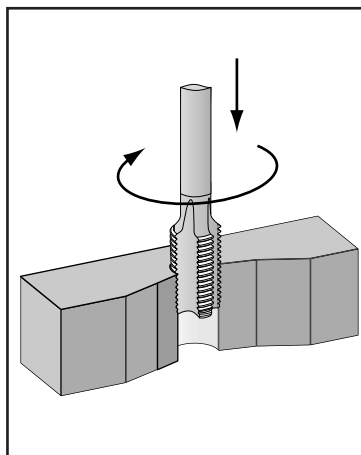
*The self locking version is in red color.*

1



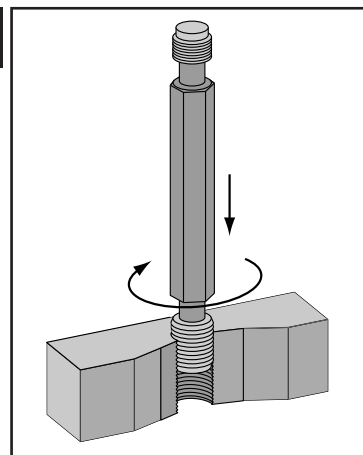
Forare  
*Drilling*

2



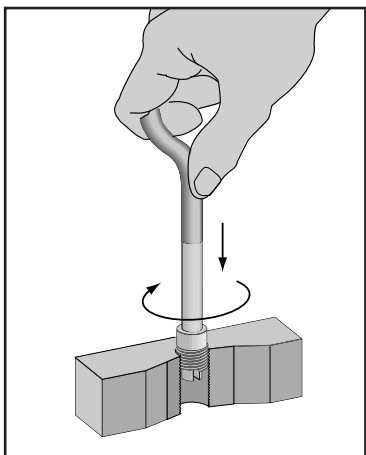
Maschiare  
*Tapping*

3

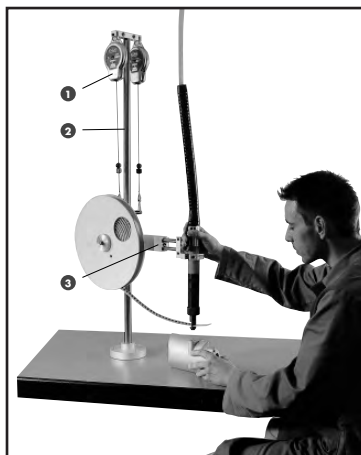


Controllo della maschiatura  
con il tampone  
*Tapping control with the plug  
gauge*

4



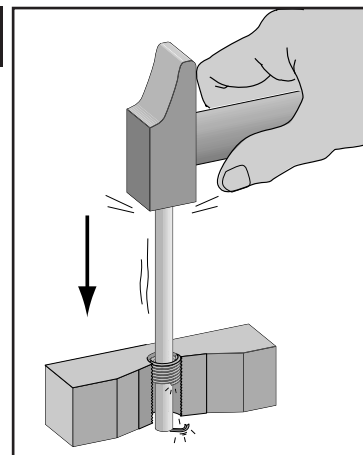
Inserire il filetto riportato  
*Installing wire insert*

4  
bis

Per un inserimento più veloce i filetti riportati possono essere montati in strisce di plastica arrotolate e montati in automatico

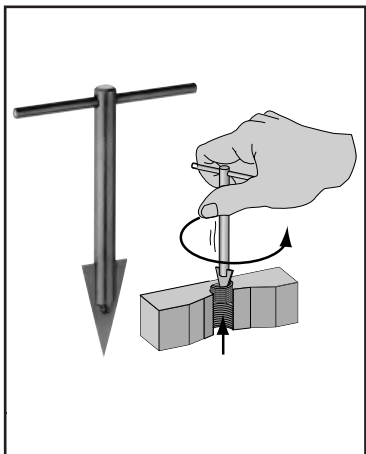
*For a faster directly use wire insert can be installed in a plastic strip rolled and fastened quickly*

5



Eliminare il codolo di trascinamento con il troncatore manuale o automatico  
*Break the tail off with a manual or automatic break-off tool*

6



Per estrarre il filetto riportato utilizzare l'estrattore  
*The extractor is used to unscrew the wire insert*

# SCELTA DEL MASCHIO

## TAP CHOICE

# 6

5.24








### LEGENDA

OK = UTILIZZO OTTIMO  
OPTIMUM USE

+/- = POSSIBILE UTILIZZO  
POSSIBLE USE

NO = UTILIZZO NON CONSIGLIATO  
NOT RECOMMENDED

					
	<b>MASCHIO STANDARD</b>	<b>MASCHIO SGROSSATORE</b>	<b>MASCHIO FINITORE</b>	<b>MASCHIATURA A MACCHINA</b>	<b>MASCHIO PER FORI CIECHI</b>
	STANDARD TAP	UNDERSIZED TAP	FINISHING TAP	TOOL TAPPING	BLIND HOLES TAP
<b>VANTAGGI</b> ADVANTAGES	E' il maschio più comune usato in particolare per maschiature eseguite manualmente. <i>Commonly used especially for manual tapping.</i>	Da usare prima del maschio finitore in materiali duri. <i>It must be used before finishing tap in hard materials.</i>	Da usare dopo il maschio sgrossatore. <i>It must be used after undersized tap.</i>	Ideale quando si usano attrezzature pneumatiche o elettriche. <i>Ideal when using pneumatic or electric tools.</i>	Ideale per fori ciechi. <i>Ideal for blind holes.</i>
<b>FORI APERTI</b> OPEN HOLES	+/-	+/-	+/-	OK	NO
<b>FORI CHIUSI</b> BLIND HOLES	+/-	+/-	+/-	NO	OK
<b>FORI MANUALI</b> MANUAL TAPPING	OK	+/-	+/-	OK	+/-
<b>FORI A MACCHINA</b> TOOL TAPPING	+/-	OK	OK	OK	OK
<b>MATERIALI TENERI</b> SOFT MATERIALS <i>R &lt; 80 Kg</i>	OK	+/-	+/-	OK	OK
<b>MATERIALI DURI</b> HARD MATERIALS <i>R &gt; 80 Kg</i>	NO	OK	OK	OK	+/-

<b>Ø</b> <b>x PASSO</b> <i>x PITCH</i>	<b>CODICE</b> <b>MASCHIO STANDARD</b> <i>STANDARD TAP CODE</i>	<b>CODICE</b> <b>MASCHIO SGROSSATORE</b> <i>UNDERSIZED TAP CODE</i>	<b>CODICE</b> <b>MASCHIO FINITORE</b> <i>FINISHING TAP CODE</i>	<b>CODICE</b> <b>MASCHIATURA A MACCHINA</b> <i>TOOL TAPPING CODE</i>	<b>CODICE</b> <b>MASCHIO PER FORI CIECHI</b> <i>BLIND HOLES TAP CODE</i>
<b>M2 x 0.40</b>	86MFXM0240	86MFXM0240MS	86MFXM0240MF	86MFXM0240MM	86MFXM0240FC
<b>M2.5 x 0.45</b>	86MFXM02545	86MFXM02545MS	86MFXM02545MF	86MFXM02545MM	86MFXM02545FC
<b>M3 x 0.50</b>	86MFXM0305	86MFXM0305MS	86MFXM0305MF	86MFXM0305MM	86MFXM0305FC
<b>M3.5 x 0.60</b>	86MFXM03560	86MFXM03560S	86MFXM03560MF	86MFXM03560MM	86MFXM03560FC
<b>M4 x 0.70</b>	86MFXM0407	86MFXM0407MS	86MFXM0407MF	86MFXM0407MM	86MFXM0407FC
<b>M5 x 0.80</b>	86MFXM0508	86MFXM0508MS	86MFXM0508MF	86MFXM0508MM	86MFXM0508FC
<b>M6 x 1.00</b>	86MFXM061	86MFXM061MS	86MFXM061MF	86MFXM061MM	86MFXM061FC
<b>M7 x 1.00</b>	86MFXM07100	86MFXM07100MS	86MFXM07100MF	86MFXM07100MM	86MFXM07100FC
<b>M8 x 1.00</b>	86MFXM081	86MFXM081MS	86MFXM081MF	86MFXM081MM	86MFXM081FC
<b>M8 x 1.25</b>	86MFXM08125	86MFXM08125MS	86MFXM08125MF	86MFXM08125MM	86MFXM08125FC
<b>M9 x 1.25</b>	86MFXM09125	86MFXM09125MS	86MFXM09125MF	86MFXM09125MM	86MFXM09125FC
<b>M10 x 1.00</b>	86MFXM10100	86MFXM10100MS	86MFXM10100MF	86MFXM10100MM	86MFXM10100FC
<b>M10 x 1.25</b>	86MFXM10125	86MFXM10125MS	86MFXM10125MF	86MFXM10125MM	86MFXM10125FC
<b>M10 x 1.50</b>	86MFXM10150	86MFXM10150MS	86MFXM10150MF	86MFXM10150MM	86MFXM10150FC
<b>M11 x 1.50</b>	86MFXM11150	86MFXM11150MS	86MFXM11150MF	86MFXM11150MM	86MFXM11150FC
<b>M12 x 1.00</b>	86MFXM12100	86MFXM12100MS	86MFXM12100MF	86MFXM12100MM	86MFXM12100FC
<b>M12 x 1.25</b>	86MFXM12125	86MFXM12125MS	86MFXM12125MF	86MFXM12125MM	86MFXM12125FC
<b>M12 x 1.50</b>	86MFXM12150	86MFXM12150MS	86MFXM12150MF	86MFXM12150MM	86MFXM12150FC
<b>M12 x 1.75</b>	86MFXM12175	86MFXM12175MS	86MFXM12175MF	86MFXM12175MM	86MFXM12175FC
<b>M14 x 1.25</b>	86MFXM14125	86MFXM14125MS	86MFXM14125MF	86MFXM14125MM	86MFXM14125FC
<b>M14 x 1.50</b>	86MFXM14150	86MFXM14150MS	86MFXM14150MF	86MFXM14150MM	86MFXM14150FC
<b>M14 x 2.00</b>	86MFXM14200	86MFXM14200MS	86MFXM14200MF	86MFXM14200MM	86MFXM14200FC
<b>M16 x 1.50</b>	86MFXM16150	86MFXM16150MS	86MFXM16150MF	86MFXM16150MM	86MFXM16150FC
<b>M16 x 2.00</b>	86MFXM16200	86MFXM16200MS	86MFXM16200MF	86MFXM16200MM	86MFXM16200FC
<b>M18 x 1.50</b>	86MFXM18150	86MFXM18150MS	86MFXM18150MF	86MFXM18150MM	86MFXM18150FC
<b>M18 x 2.00</b>	86MFXM18200	86MFXM18200MS	86MFXM18200MF	86MFXM18200MM	86MFXM18200FC
<b>M18 x 2.50</b>	86MFXM18250	86MFXM18250MS	86MFXM18250MF	86MFXM18250MM	86MFXM18250FC
<b>M20 x 1.50</b>	86MFXM20150	86MFXM20150MS	86MFXM20150MF	86MFXM20150MM	86MFXM20150FC
<b>M20 x 2.00</b>	86MFXM20200	86MFXM20200MS	86MFXM20200MF	86MFXM20200MM	86MFXM20200FC
<b>M20 x 2.50</b>	86MFXM20250	86MFXM20250MS	86MFXM20250MF	86MFXM20250MM	86MFXM20250FC
<b>M22 x 1.50</b>	86MFXM22150	86MFXM22150MS	86MFXM22150MF	86MFXM22150MM	86MFXM22150FC
<b>M22 x 2.00</b>	86MFXM22200	86MFXM22200MS	86MFXM22200MF	86MFXM22200MM	86MFXM22200FC
<b>M22 x 2.50</b>	86MFXM22250	86MFXM22250MS	86MFXM22250MF	86MFXM22250MM	86MFXM22250FC
<b>M24 x 1.50</b>	86MFXM24150	86MFXM24150MS	86MFXM24150MF	86MFXM24150MM	86MFXM24150FC
<b>M24 x 3.00</b>	86MFXM24300	86MFXM24300MS	86MFXM24300MF	86MFXM24300MM	86MFXM24300FC
<b>M26 x 1.50</b>	86MFXM26150	86MFXM26150MS	86MFXM26150MF	86MFXM26150MM	86MFXM26150FC
<b>M27 x 3.00</b>	86MFXM27300	86MFXM27300MS	86MFXM27300MF	86MFXM27300MM	86MFXM27300FC
<b>M30 x 3.50</b>	86MFXM30350	86MFXM30350MS	86MFXM30350MF	86MFXM30350MM	86MFXM30350FC

# ATTREZZI DI POSA MANUALE

## MANUAL INSERTING TOOLS



$\emptyset$ x PASSO x PITCH	CODICE CODE
M2.0 x 0.40	86UTEM02040
M2.5 x 0.45	86UTEM025
M3 x 0.50	86UTEM3
M4 x 0.70	86UTEM4
M5 x 0.80	86UTEM5
M6 x 1.00	86UTEM6
M8 x 1.00	86UTEM8
M8 x 1.25	86UTEM81
M10 x 1.00	86UTEM1010
M10 x 1.25	86UTEM10125
M10 x 1.50	86UTEM10150

$\emptyset$ x PASSO x PITCH	CODICE CODE
M12 x 1.25	86UTEM12125
M12 x 1.50	86UTEM12150
M12 x 1.75	86UTEM12175
M14 x 1.25	86UTEM14125
M14 x 1.50	86UTEM14150
M14 x 2.00	86UTEM14200
M16 x 1.50	86UTEM16150
M16 x 2.00	86UTEM16200

# ASTE PER ATTREZZI DI POSA PNEUMATICI

## MANDREL FOR PNEUMATIC TOOLS



$\emptyset$ x PASSO x PITCH	CODICE CODE
M2 x 0.40	86ASAPM02X40
M2.5 x 0.45	86ASAPM025X45
M3 x 0.50	86ASAPM03X50
M4 x 0.70	86ASAPM04X70
M5 x 0.80	86ASAPM05X80
M6 x 1.00	86ASAPM06X100
M7 x 1.00	86ASAPM07X100
M8 x 1.00	86ASAPM08X100
M8 x 1.25	86ASAPM08X125
M9 x 1.25	86ASAPM09X125
M10 x 1.00	86ASAPM10X100
M10 x 1.25	86ASAPM10X125
M10 x 1.50	86ASAPM10X150
M11 x 1.50	86ASAPM11X150

$\emptyset$ x PASSO x PITCH	CODICE CODE
M12 x 1.00	86ASAPM12X100
M12 x 1.25	86ASAPM12X125
M12 x 1.50	86ASAPM12X150
M12 x 1.75	86ASAPM12X175
M14 x 1.50	86ASAPM14X150
M14 x 2.00	86ASAPM14X200
M16 x 2.00	86ASAPM16X200
M18 x 2.00	86ASAPM18X200
M18 x 2.50	86ASAPM18X250
M20 x 2.00	86ASAPM20X200
M20 x 2.50	86ASAPM20X250
M22 x 2.00	86ASAPM22X200
M22 x 2.50	86ASAPM22X250

$\emptyset$ x PASSO x PITCH	CODICE CODE
M3 x 0.50	86KITM0305
M3.5 x 0.60	86KITM03506
M4 x 0.70	86KITM0407
M5 x 0.80	86KITM0508
M6 x 1.00	86KITM061
M7 x 1.00	86KITM07100
M8 x 1.00	86KITM081
M8 x 1.25	86KITM08125
M9 x 1.25	86KITM09125
M10 x 1.00	86KITM1010
M10 x 1.25	86KITM10125
M10 x 1.50	86KITM10150
M11 x 1.50	86KITM11150
M12 x 1.00	86KITM12100
M12 x 1.25	86KITM12125
M12 x 1.50	86KITM12150
M12 x 1.75	86KITM12175
M14 x 1.50	86KITM14150
M14 x 2.00	86KITM14200
M16 x 2.00	86KITM16200
M18 x 2.50	86KITM18250
M20 x 2.50	86KITM20250
M22 x 2.50	86KITM22250

$\emptyset$ x PASSO x PITCH	CODICE CODE
M3 x 0.50	86BLISTERM03050
M3.5 x 0.60	86BLISTERM03506
M4 x 0.70	86BLISTERM04070
M5 x 0.80	86BLISTERM05080
M6 x 1.00	86BLISTERM06100
M7 x 1.00	86BLISTERM07100
M8 x 1.00	86BLISTERM081
M8 x 1.25	86BLISTERM08125
M9 x 1.25	86BLISTERM09125
M10 x 1.00	86BLISTERM10100
M10 x 1.25	86BLISTERM10125
M10 x 1.50	86BLISTERM10150
M11 x 1.50	86BLISTERM11150
M12 x 1.00	86BLISTERM12100
M12 x 1.25	86BLISTERM12125
M12 x 1.50	86BLISTERM12150
M12 x 1.75	86BLISTERM12175
M14 x 1.50	86BLISTERM14150
M14 x 2.00	86BLISTERM14200



Il Monokit contiene:  
1 maschio - 1 attrezzo di posa manuale -  
10 filetti 1.5 il diametro (M3-M10) oppure  
5 filetti 1.5 il diametro (M11-M14) e  
1 troncatore manuale.

*Tool Kit content:*  
1 thread insert tap - 1 inserting tool -  
10 thread inserts 1.5 (M3-M10) or  
5 thread inserts 1.5 (M11-M14) and  
1 break-off tool up M12.

## KIT IN BLISTER



Il Monokit contiene:  
1 maschio - 1 attrezzo di posa manuale -  
10 filetti 1.5 il diametro (M3-M10) oppure  
5 filetti 1.5 il diametro (M11-M14) e  
1 troncatore manuale.

*Tool Kit content:*  
1 thread insert tap - 1 inserting tool -  
10 thread inserts 1.5 (M3-M10) or  
5 thread inserts 1.5 (M11-M14) and  
1 break-off tool up M12.



# KIT DI RIPARAZIONE PER FILETTI RIPORTATI

## REPAIR TOOL KIT

6  
9.24

$\emptyset$ x PASSO x PITCH	CODICE CODE
<b>M3 x 0.5</b>	86KITRIPM0305
<b>M4 x 0.7</b>	86KITRIPM0407
<b>M5 x 0.8</b>	86KITRIPM0508
<b>M6 x 1</b>	86KITRIPM061
<b>M7 x 1</b>	86KITRIPM071
<b>M8 x 1</b>	86KITRIPM081
<b>M8 x 1.25</b>	86KITRIPM08125
<b>M10 x 1</b>	86KITRIPM1010
<b>M10 x 1.25</b>	86KITRIPM10125
<b>M10 x 1.50</b>	86KITRIPM10150
<b>M12 x 1.00</b>	86KITRIPM12100
<b>M12 x 1.25</b>	86KITRIPM12125
<b>M12 x 1.50</b>	86KITRIPM12150
<b>M12 x 1.75</b>	86KITRIPM12175
<b>M14 x 1.50</b>	86KITRIPM14150
<b>M14 x 2.00</b>	86KITRIPM14200
<b>M16 x 1.50</b>	86KITRIPM16150



Il kit contiene:

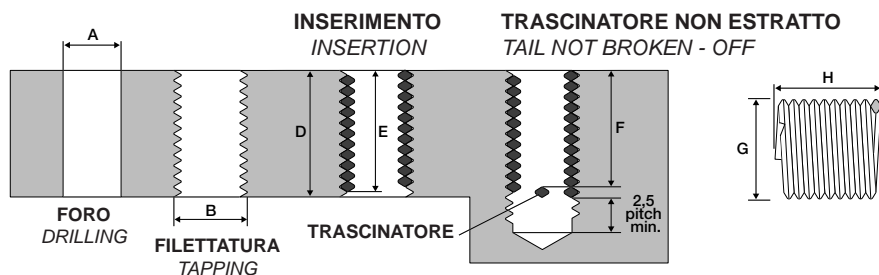
- 1 maschio per filettare
- 1 attrezzo di posa manuale preparato per una misura, ma può essere anche utilizzato per le misure vicine
- 25 filetti riportati 1,5 d o 10 filetti riportati 1 d a seconda del kit
- 1 troncatore

*Box content:*

- 1 thread insert tap*
- 1 inserting tool with a necked nose mounted in selected diameter, which can be adapted to adjacent dimensions*
- 25 threaded inserts length 1,5 d or 10 threaded inserts length 1 (it depend on the kit)*
- 1 break-off tool up to diameter 16*

# FILETTI RIPORTATI PASSO METRICO

## WIRE INSERTS METRIC PITCH



$$E = D - 0,75 \times \text{Passo} / \text{Pitch}$$

$$F = D - 1,5 \times \text{Passo} / \text{Pitch}$$

D = Lunghezza filetto  
Base tapping length

H = N. delle spire allo stato libero  
No. of turns at the initial state

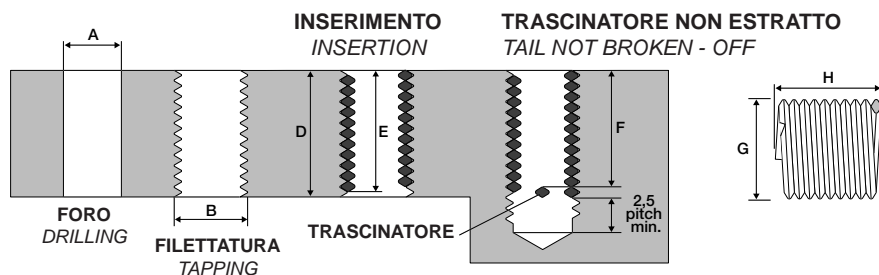
Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Ini - ziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
M2 x 0.40	1.0	2.00	2.90	2.60 - 2.75	2.10	2.090 +0.090	2.520	86M0202	86M0202A	86M0202V
	1.5	3.00	4.90					86M0203	86M0203A	86M0203V
	2.0	4.00	6.90					86M0204	86M0204A	86M0204V
	2.5	5.00	8.90					86M0205	86M0205A	86M0205V
	3.0	6.00	10.90					86M0206	86M0206A	86M0206V
M2.5 x 0.45	1.0	2.50	3.60	3.15 - 3.30	2.60	2.597 +0.100	3.084	86M025025	86M025025A	86M025025V
	1.25	3.12	4.75					86M0253125	86M0253125A	86M0253125V
	1.5	3.75	6.00					86M025375	86M025375A	86M025375V
	2.0	5.00	8.20					86M02505	86M02505A	86M02505V
	2.5	6.25	10.60					86M025625	86M025625A	86M025625V
	3.0	7.50	13.10					86M02575	86M02575A	86M02575V
M3 x 0.50	1.0	3.0	3.95	3.70 - 3.90	3.20	3.108 +0.112	3.650	86M0303	86M0303A	86M0303V
	1.25	3.75	4.95					86M03375	86M03375A	86M03375V
	1.5	4.50	6.35					86M0345	86M0345A	86M0345V
	2.0	6.00	8.80					86M0306	86M0306A	86M0306V
	2.5	7.50	11.25					86M0375	86M0375A	86M0375V
	3.0	9.00	13.65					86M0309	86M0309A	86M0309V
M3.5 x 0.60	1.0	3.50	3.90	4.35 - 4.45	3.70	3.630 +0.125	4.280	86M035035	86M035035A	86M035035V
	1.5	5.25	6.60					86M035525	86M035525A	86M035525V
	2.0	7.00	9.15					86M03507	86M03507A	86M03507A
	2.5	8.75	11.80					86M035875	86M035875A	86M035875V
	3.0	10.50	14.00					86M035105	86M035105A	86M035105V
M4 x 0.70	1.0	4.00	3.80	5.00 - 5.15	4.20	4.152 +0.140	4.910	86M0404	86M0404A	86M0404V
	1.25	5.00	5.05					86M0405	86M0405A	86M0405V
	1.5	6.00	6.25					86M0406	86M0406A	86M0406V
	2.0	8.00	8.65					86M0408	86M0408A	86M0408V
	2.5	10.00	11.20					86M0410	86M0410A	86M0410A
	3.0	12.00	13.60					86M0412	86M0412	86M0412
M5 x 0.80	1.0	5.00	4.45	6.10 - 6.30	5.20	5.174 +0.160	6.040	86M0505	86M0505A	86M0505V
	1.25	6.25	5.70					86M05625	86M05625A	86M05625V
	1.5	7.50	7.15					86M0575	86M0575A	86M0575V
	2.0	10.00	10.10					86M0510	86M0510A	86M0510V
	2.5	12.50	12.80					86M05125	86M05125A	86M05125V
	3.0	15.00	15.40					86M0515	86M0515A	86M0515V

# FILETTI RIPORTATI PASSO METRICO

## WIRE INSERTS METRIC PITCH

# 6

11.24

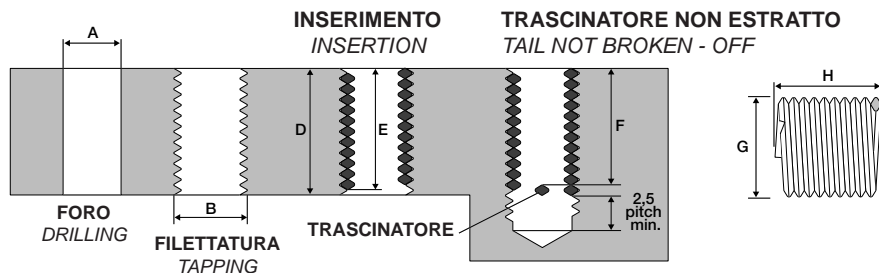


$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 D = Lunghezza filetto  
*Base tapping length*  
 H = N. delle spire allo stato libero  
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Ini - ziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
M6 x 1.00	1.0	6.00	4.30	7.40 - 7.65	6.30	6.217 +0.190	7.300	86M0606	86M0606A	86M0606V
	1.25	7.50	5.55					86M06075	86M06075A	86M06075V
	1.5	9.00	7.10					86M0609	86M0609A	86M0609V
	2.0	12.00	9.85					86M0612	86M0612A	86M0612V
	2.5	15.00	12.60					86M0615	86M0615A	86M0615V
	3.0	18.00	15.00					86M0618	86M0618A	86M0618V
M7 x 1.00	1.0	7.00	5.45	8.40 - 8.65	7.30	7.217 +0.190	8.300	86M0707	86M0707A	86M0707V
	1.5	10.50	8.45					86M07105	86M07105A	86M07105V
	2.0	14.00	11.40					86M0714	86M0714A	86M0714V
	2.5	17.50	14.75					86M07175	86M07175A	86M07175V
	3.0	21.00	17.90					86M0721	86M0721A	86M0721V
M8 x 1.00	1.0	8.00	6.30	9.45 - 9.75	8.30	8.217 +0.190	9.300	86M0808P100	86M0808P100A	86M0808P100V
	1.5	12.00	9.80					86M0812P100	86M0812P100A	86M0812P100V
	2.0	16.00	13.30					86M0816P100	86M0816P100A	86M0816P100V
	2.5	20.00	17.00					86M0820P100	86M0820P100A	86M0820P100V
	3.0	24.00	20.50					86M0824P100	86M0824P100A	86M0824P100V
M8 x 1.25	1.0	8.00	4.80	9.70 - 9.90	8.40	8.271 +0.212	9.624	86M0808	86M0808A	86M0808V
	1.25	10.00	6.10					86M0810	86M0810A	86M0810V
	1.5	12.00	7.50					86M0812	86M0812A	86M0812V
	2.0	16.00	10.75					86M0816	86M0816A	86M0816V
	2.5	20.00	13.70					86M0820	86M0820A	86M0820V
	3.0	24.00	16.65					86M0824	86M0824A	86M0824V
M9 x 1.25	1.0	9.00	5.40	10.70 - 10.90	9.40	9.271 +0.212	10.624	86M0909	86M0909A	86M0909V
	1.5	13.50	8.70					86M09135	86M09135A	86M09135V
	2.0	18.00	12.10					86M0918	86M0918A	86M0918V
	2.5	22.50	15.50					86M09225	86M09225A	86M09225V
	3.0	27.00	18.35					86M0927	86M0927A	86M0927V
M10 x 1.00	1.0	10.00	7.90	11.60 - 11.90	10.30	10.217 +0.190	11.300	86M1010P100	86M1010P100A	86M1010P100V
	1.5	15.00	12.60					86M1015P100	86M1015P100A	86M1015P100V
	2.0	20.00	17.00					86M1020P100	86M1020P100A	86M1020P100V
	2.5	25.00	21.55					86M1025P100	86M1025P100A	86M1025P100V
	3.0	30.00	26.05					86M1030P100	86M1030P100A	86M1030P100V
M10 x 1.25	1.0	10.00	6.15	11.75 - 12.00	10.40	10.271 +0.212	11.624	86M1010P125	86M1010P125A	86M1010P125V
	1.5	15.00	10.00					86M1015P125	86M1015P125A	86M1015P125V
	2.0	20.00	13.50					86M1020P125	86M1020P125A	86M1020P125V
	2.5	25.00	17.00					86M1025P125	86M1025P125A	86M1025P125V
	3.0	30.00	20.70					86M1030P125	86M1030P125A	86M1030P125V

# FILETTI RIPORTATI PASSO METRICO

## WIRE INSERTS METRIC PITCH



$$E = D - 0,75 \times \text{Passo} / \text{Pitch}$$

$$F = D - 1,5 \times \text{Passo} / \text{Pitch}$$

D = Lunghezza filetto  
Base tapping length

H = N. delle spire allo stato libero  
No. of turns at the initial state

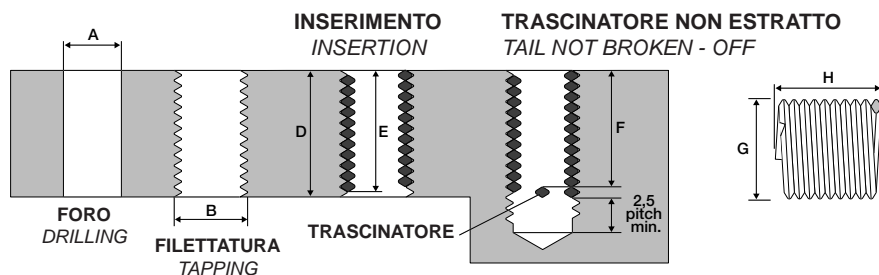
Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Ini - ziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
M10 x 1.50	1.0	10.00	5.00	12.05 - 12.35	10.50	10.324 +0.236	11.948	86M1010	86M1010A	86M1010V
	1.25	12.50	6.50					86M10125	86M10125A	86M10125V
	1.5	15.00	8.10					86M1015	86M1015A	86M1015V
	2.0	20.00	11.25					86M1020	86M1020A	86M1020V
	2.5	25.00	14.25					86M1025	86M1025A	86M1025V
	3.0	30.00	17.25					86M1030	86M1030A	86M1030V
M11 x 1.50	1.0	11.00	5.60	13.05 - 13.35	11.50	11.324 +0.236	12.948	86M1111	86M1111A	86M1111V
	1.5	16.50	9.00					86M11165	86M11165A	86M11165V
	2.0	22.00	12.35					86M1122	86M1122A	86M1122V
	2.5	27.50	15.75					86M11275	86M11275A	86M11275V
	3.0	33.00	18.95					86M1133	86M1133A	86M1133V
M12 x 1.00	1.0	12.00	9.75	13.70 - 14.10	12.30	12.217 +0.190	13.300	86M1212P100	86M1212P100A	86M1212P100V
	1.5	18.00	15.20					86M1218P100	86M1218P100A	86M1218P100V
	2.0	24.00	20.50					86M1224P100	86M1224P100A	86M1224P100V
	2.5	30.00	25.95					86M1230P100	86M1230P100A	86M1230P100V
	3.0	36.00	31.30					86M1236P100	86M1236P100A	86M1236P100V
M12 x 1.25	1.0	12.00	7.75	13.75 - 14.05	12.40	12.271 +0.212	13.624	86M1212P125	86M1212P125A	86M1212P125V
	1.5	18.00	12.15					86M1218P125	86M1218P125A	86M1218P125V
	2.0	24.00	16.65					86M1224P125	86M1224P125A	86M1224P125V
	2.5	30.00	21.15					86M1230P125	86M1230P125A	86M1230P125V
	3.0	36.00	26.65					86M1236P125	86M1236P125A	86M1236P125V
M12 x 1.50	1.0	12.00	6.30	14.10 - 14.40	12.50	12.324 +0.236	13.948	86M1212P150	86M1212P150A	86M1212P150V
	1.5	18.00	10.00					86M1218P150	86M1218P150A	86M1218P150V
	2.0	24.00	13.80					86M1224P150	86M1224P150A	86M1224P150V
	2.5	30.00	16.00					86M1230P150	86M1230P150A	86M1230P150V
	3.0	36.00	21.25					86M1236P150	86M1236P150A	86M1236P150V
M12 x 1.75	0.75	9.00	3.70	14.35 - 14.60	12.50	12.379 +0.265	14.274	86M1209	86M1209A	86M1209V
	1.0	12.00	5.20					86M1212	86M1212A	86M1212V
	1.25	15.00	6.90					86M1215	86M1215A	86M1215V
	1.5	18.00	8.40					86M1218	86M1218A	86M1218V
	2.0	24.00	11.75					86M1224	86M1224A	86M1224V
	2.5	30.00	14.75					86M1230	86M1230A	86M1230V
	3.0	36.00	18.05					86M1236	86M1236A	86M1236V

# FILETTI RIPORTATI PASSO METRICO

## WIRE INSERTS METRIC PITCH

# 6

13.24

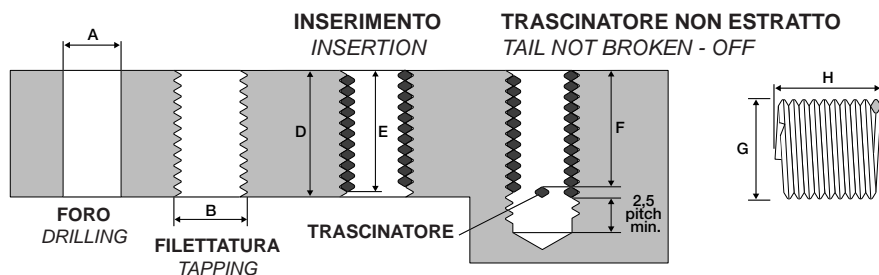


$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 $D = \text{Lunghezza filetto}$   
*Base tapping length*  
 $H = N. \text{ delle spire allo stato libero}$   
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Ini - ziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
M14 x 1.25	0.75	10.50	6.20	16.25 - 16.65	14.40	14.270 +0.210	15.620	86M14105P125	86M14105P125A	86M14105P125V
	1.00	14.00	8.40					86M1414P125	86M1414P125A	86M1414P125V
	1.5	21.00	13.30					86M1421P125	86M1421P125A	86M1421P125V
	2.0	28.00	18.20					86M1428P125	86M1428P125A	86M1428P125V
	2.5	35.00	23.10					86M1435P125	86M1435P125A	86M1435P125V
	3.0	42.00	28.00					86M1442P125	86M1442P125A	86M1442P125V
M14 x 1.50	0.75	10.50	5.40	16.25 - 16.65	14.50	14.324 +0.236	15.948	86M14105P150	86M14105P150A	86M14105P150V
	1.00	14.00	7.50					86M1414P150	86M1414P150A	86M1414P150V
	1.5	21.00	11.85					86M1421P150	86M1421P150A	86M1421P150V
	2.0	28.00	16.15					86M1428P150	86M1428P150A	86M1428P150V
	2.5	35.00	20.10					86M1435P150	86M1435P150A	86M1435P150V
	3.0	42.00	24.55					86M1442P150	86M1442P150A	86M1442P150V
M14 x 2.00	0.75	10.50	4.00	16.80 - 17.15	14.50	14.433 +0.300	16.598	86M14105	86M14105A	86M14105V
	1.0	14.00	5.60					86M1414	86M1414A	86M1414V
	1.25	17.50	7.20					86M14175	86M14175A	86M14175V
	1.5	21.00	8.80					86M1421	86M1421A	86M1421V
	2.0	28.00	12.00					86M1428	86M1428A	86M1428V
	2.5	35.00	15.20					86M1435	86M1435A	86M1435V
	3.0	42.00	18.40					86M1442	86M1442A	86M1442V
M16 x 1.50	0.75	12.00	6.50	18.40 - 18.80	16.50	16.324 +0.236	17.948	86M1612P150	86M1612P150A	86M1612P150V
	1.0	16.00	9.00					86M1616P150	86M1616P150A	86M1616P150V
	1.25	20.00	11.35					86M1620P150	86M1620P150A	86M1620P150V
	1.5	24.00	13.85					86M1624P150	86M1624P150A	86M1624P150V
	2.0	32.00	18.70					86M1632P150	86M1632P150A	86M1632P150V
	2.5	40.00	23.65					86M1640P150	86M1640P150A	86M1640P150V
	3.0	48.00	28.50					86M1648P150	86M1648P150A	86M1648P150V
	M16 x 2.00	0.75	12.00					4.65	18.80 - 19.10	16.50
1.0		16.00	6.55	86M1616	86M1616A	86M1616V				
1.25		20.00	8.40	86M1620	86M1620A	86M1620V				
1.5		24.00	10.20	86M1624	86M1624A	86M1624V				
2.0		32.00	13.95	86M1632	86M1632A	86M1632V				
2.5		40.00	17.70	86M1640	86M1640A	86M1640V				
3.0		48.00	21.40	86M1648	86M1648A	86M1648V				

# FILETTI RIPORTATI PASSO METRICO

## WIRE INSERTS METRIC PITCH



$$E = D - 0,75 \times \text{Passo} / \text{Pitch}$$

$$F = D - 1,5 \times \text{Passo} / \text{Pitch}$$

D = Lunghezza filetto  
Base tapping length

H = N. delle spire allo stato libero  
No. of turns at the initial state

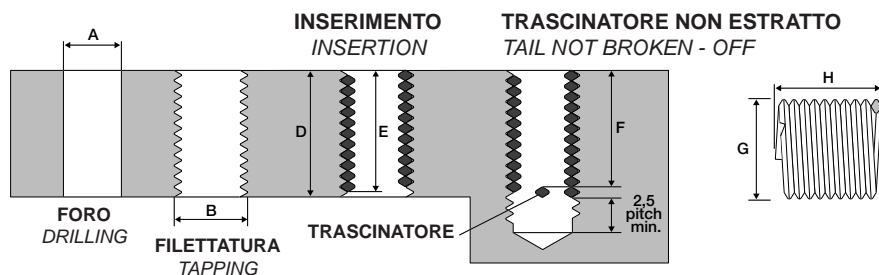
Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Ini - ziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
M18 x 1.50	0.75	13.50	7.30	20.60 - 21.00	18.50	18.324 +0.236	19.948	86M18135P150	86M18135P150A	86M18135P150V
	1.0	18.00	9.90					86M1818P150	86M1818P150A	86M1818P150V
	1.25	22.50	12.70					86M18225P150	86M18225P150A	86M18225P150V
	1.5	27.00	15.55					86M1827P150	86M1827P150A	86M1827P150V
	2.0	36.00	21.05					86M1836P150	86M1836P150A	86M1836P150V
M18 x 2.00	0.75	13.50	5.20	21.00 - 21.40	18.50	18.433 +0.300	20.598	86M18135P200	86M18135P200A	86M18135P200V
	1.0	18.00	7.25					86M1818P200	86M1818P200A	86M1818P200V
	1.25	22.50	9.10					86M18225P200	86M18225P200A	86M18225P200V
	1.5	27.00	11.45					86M1827P200	86M1827P200A	86M1827P200V
	2.0	36.00	15.45					86M1836P200	86M1836P200A	86M1836P200V
M18 x 2.50	0.75	13.50	3.80	21.35 - 21.70	18.75	18.541 +0.355	21.248	86M18135	86M18135A	86M18135V
	1.0	18.00	5.60					86M1818	86M1818A	86M1818V
	1.25	22.50	6.40					86M18225	86M18225A	86M18225V
	1.5	27.00	9.05					86M1827	86M1827A	86M1827V
	2.0	36.00	12.35					86M1836	86M1836A	86M1836V
M20 x 1.50	0.75	15.00	8.15	23.00 - 23.50	20.50	20.433 +0.300	22.598	86M2015P150	86M2015P150A	86M2015P150V
	1.0	20.00	11.05					86M2020P150	86M2020P150A	86M2020P150V
	1.25	25.00	13.80					86M2025P150	86M2025P150A	86M2025P150V
	1.5	30.00	17.20					86M2030P150	86M2030P150A	86M2030P150V
	2.0	40.00	23.10					86M2040P150	86M2040P150A	86M2040P150V
M20 x 2.00	0.75	15.00	6.00	22.90 - 23.40	20.50	20.433 +0.300	22.598	86M2015P200	86M2015P200A	86M2015P200V
	1.0	20.00	8.25					86M2020P200	86M2020P200A	86M2020P200V
	1.25	25.00	10.45					86M2025P200	86M2025P200A	86M2025P200V
	1.5	30.00	12.90					86M2030P200	86M2030P200A	86M2030P200V
	2.0	40.00	17.35					86M2040P200	86M2040P200A	86M2040P200V
M20 x 2.50	0.75	15.00	4.55	23.35 - 23.75	20.75	20.541 +0.355	23.248	86M2015	86M2015A	86M2015V
	1.0	20.00	6.40					86M2020	86M2020A	86M2020V
	1.25	25.00	8.10					86M2025	86M2025A	86M2025V
	1.5	30.00	10.15					86M2030	86M2030A	86M2030V
	2.0	40.00	13.90					86M2040	86M2040A	86M2040V
M22 x 1.50	0.5	11.00	5.75	25.00 - 25.50	22.50	22.324 +0.236	23.948	86M2211P150	86M2211P150A	86M2211P150V
	0.75	16.50	9.05					86M22165P150	86M22165P150A	86M22165P150V
	1.0	22.00	12.30					86M2222P150	86M2222P150A	86M2222P150V
	1.25	27.50	15.55					86M22275P150	86M22275P150A	86M22275P150V
	1.5	33.00	19.00					86M2233P150	86M2233P150A	86M2233P150V

# FILETTI RIPORTATI PASSO METRICO

## WIRE INSERTS METRIC PITCH

# 6

15.24

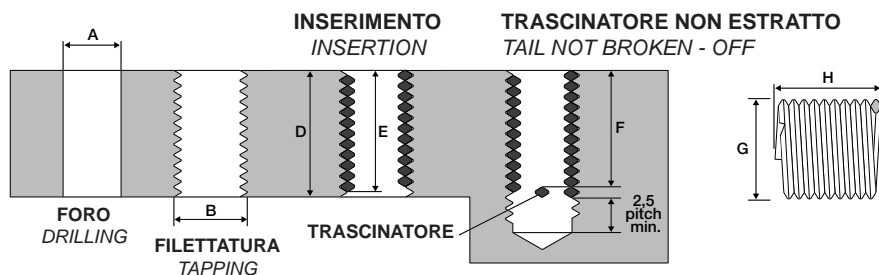


$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 D = Lunghezza filetto  
 Base tapping length  
 H = N. delle spire allo stato libero  
 No. of turns at the initial state

Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Ini - ziale Ø Initial state Min - Max	A		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro / Ø Drill	Tolleranza Tolerance Min - Max				
M22 x 2.00	0.75	16.50	6.70	25.00 - 25.50	22.50	22.433 +0.300	24.598	86M22165P200	86M22165P200A	86M22165P200V
	1.0	22.00	9.15					86M2222P200	86M2222P200A	86M2222P200V
	1.25	27.50	11.55					86M22275P200	86M22275P200A	86M22275P200V
	1.5	33.00	14.30					86M2233P200	86M2233P200A	86M2233P200V
	2.0	44.00	19.35					86M2244P200	86M2244P200A	86M2244P200V
M22 x 2.50	0.75	16.50	5.15	25.40 - 25.80	22.75	22.541 +0.355	25.248	86M22165	86M22165A	86M22165V
	1.0	22.00	7.10					86M2222	86M2222A	86M2222V
	1.25	27.50	9.10					86M22275	86M22275A	86M22275V
	1.5	33.00	11.25					86M2233	86M2233A	86M2233V
	2.0	44.00	15.50					86M2244	86M2244A	86M2244V
M24 x 1.50	0.5	12.00	6.35	27.00 - 27.50	24.50	24.325 +0.236	25.948	86M2412P150	86M2412P150A	86M2412P150V
	0.75	18.00	10.05					86M2418P150	86M2418P150A	86M2418P150V
	1.0	24.00	13.65					86M2424P150	86M2424P150A	86M2424P150V
	1.25	30.00	17.15					86M2430P150	86M2430P150A	86M2430P150V
	1.5	36.00	20.95					86M2436P150	86M2436P150A	86M2436P150V
M24 x 3.00	0.75	18.00	4.55	28.30 - 28.80	24.75	24.649 +0.400	27.897	86M2418	86M2418A	86M2418V
	1.0	24.00	6.25					86M2424	86M2424A	86M2424V
	1.25	30.00	8.15					86M2430	86M2430A	86M2430V
	1.5	36.00	10.10					86M2436	86M2436A	86M2436V
	2.0	48.00	14.15					86M2448	86M2448A	86M2448V
M26 x 1.50	0.5	13.00	6.80	29.50 - 30.00	26.50	26.325 +0.236	27.948	86M2613P150	86M2613P150A	86M2613P150V
	0.75	19.50	10.80					86M26195P150	86M26195P150A	86M26195P150V
	1.0	26.00	14.70					86M2626P150	86M2626P150A	86M2626P150V
	1.25	32.50	18.45					86M26325P150	86M26325P150A	86M26325P150V
	1.5	39.00	22.70					86M2639P150	86M2639P150A	86M2639P150V
M27 x 3.00	0.75	20.25	5.05	31.60 - 32.10	27.75	27.649 +0.400	30.897	86M272025	86M272025A	86M272025V
	1.0	27.00	7.20					86M2727	86M2727A	86M2727V
	1.25	33.75	9.35					86M273375	86M273375A	86M273375V
	1.5	40.50	11.60					86M27405	86M27405A	86M27405V
	2.0	54.00	15.65					86M2754	86M2754A	86M2754V
M30 x 3.50	0.75	22.50	4.90	34.90 - 35.40	31.00	30.757 +0.450	34.546	86M30225	86M30225A	86M30225V
	1.0	30.00	7.05					86M3030	86M3030A	86M3030V
	1.25	37.50	9.05					86M30375	86M30375A	86M30375V
	1.5	45.00	11.05					86M3045	86M3045A	86M3045V
	2.0	60.00	15.00					86M3060	86M3060A	86M3060V

# FILETTI RIPORTATI PASSO UNC

## WIRE INSERTS UNC PITCH



$$E = D - 0,75 \times \text{Passo} / \text{Pitch}$$

$$F = D - 1,5 \times \text{Passo} / \text{Pitch}$$

D = Lunghezza filetto  
Base tapping length

H = N. delle spire allo stato libero  
No. of turns at the initial state

Ø x Passo x Pitch	x d	D	H -0.25	- G Ø Iniziale Ø Initial state Min - Max mm - mm	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code	
					Ø Foro Drill	Tolleranza Tolerance Min - Max mm - mm					
2-56 2.18 x 0.453	1.0	0.086	2.2	3.00	0.110 - 0.116 2.80 - 2.95	0.0960	0.0899 - 0.0961 2.31 - 2.44	0.1118 2.84	862-56086UNC	862-56086UNCA	862-56086UNCV
	1.5	0.129	3.3	5.25					862-56129UNC	862-56129UNCA	862-56129UNCV
	2.0	0.172	4.3	7.40					862-56172UNC	862-56172UNCA	862-56172UNCV
	2.5	0.215	5.4	9.60					862-56215UNC	862-56215UNCA	862-56215UNCV
	3.0	0.258	6.5	11.90					862-56258UNC	862-56258UNCA	862-56258UNCV
4-40 2.84 x 0.635	1.0	0.112	2.9	2.75	0.142 - 0.154 3.60 - 3.90	0.1200	0.1175 - 0.1252 3.00 - 3.15	0.1445 3.67	864-40112UNC	864-40112UNCA	864-40112UNCV
	1.5	0.168	4.3	4.75					864-40168UNC	864-40168UNCA	864-40168UNCV
	2.0	0.224	5.8	6.75					864-40224UNC	864-40224UNCA	864-40224UNCV
	2.5	0.280	7.2	8.90					864-40280UNC	864-40280UNCA	864-40280UNCV
	3.0	0.336	8.5	10.90					864-40336UNC	864-40336UNCA	864-40336UNCV
5-40 3.17 x 0.635	1.0	0.125	3.2	3.25	0.157 - 0.167 4.00 - 4.25	0.1360	0.1305 - 0.1373 3.33 - 3.48	0.1575 4.00	865-40125UNC	865-40125UNCA	865-40125UNCV
	1.5	0.188	4.8	5.50					865-40188UNC	865-40188UNCA	865-40188UNCV
	2.0	0.250	6.4	7.75					865-40250UNC	865-40250UNCA	865-40250UNCV
	2.5	0.312	7.9	10.00					865-40312UNC	865-40312UNCA	865-40312UNCV
	3.0	0.375	9.5	12.25					865-40375UNC	865-40375UNCA	865-40375UNCV
6-32 3.51 x 0.794	1.0	0.138	3.5	2.75	0.177 - 0.187 4.50 - 4.75	0.1495	0.1448 - 0.1527 3.68 - 3.89	0.1787 4.54	866-32138UNC	866-32138UNCA	866-32138UNCV
	1.5	0.207	5.3	4.75					866-32207UNC	866-32207UNCA	866-32207UNCV
	2.0	0.276	7.0	6.90					866-32276UNC	866-32276UNCA	866-32276UNCV
	2.5	0.345	8.8	8.90					866-32345UNC	866-32345UNCA	866-32345UNCV
	3.0	0.414	10.5	10.90					866-32414UNC	866-32414UNCA	866-32414UNCV
8-32 4.17 x 0.794	1.0	0.164	4.2	3.50	0.205 - 0.215 5.20 - 5.45	0.1770	0.1708 - 0.1781 4.34 - 4.52	0.2047 5.20	868-32164UNC	868-32164UNCA	868-32164UNCV
	1.5	0.246	6.3	6.00					868-32246UNC	868-32246UNCA	868-32246UNCV
	2.0	0.328	8.3	8.40					868-32328UNC	868-32328UNCA	868-32328UNCV
	2.5	0.410	10.5	10.75					868-32410UNC	868-32410UNCA	868-32410UNCV
	3.0	0.492	12.5	13.25					868-32492UNC	868-32492UNCA	868-32492UNCV
10-24 4.83 x 1.058	1.0	0.190	4.8	2.90	0.244 - 0.256 6.20 - 6.50	0.2055	0.1990 - 0.2080 5.06 - 5.28	0.2441 6.20	8610-24190UNC	8610-24190UNCA	8610-24190UNCV
	1.5	0.285	7.2	5.00					8610-24285UNC	8610-24285UNCA	8610-24285UNCV
	2.0	0.380	9.6	7.10					8610-24380UNC	8610-24380UNCA	8610-24380UNCV
	2.5	0.475	12.1	9.25					8610-24475UNC	8610-24475UNCA	8610-24475UNCV
	3.0	0.570	14.5	11.40					8610-24570UNC	8610-24570UNCA	8610-24570UNCV
1/4-20 6.35 x 1.270	1.0	0.250	6.4	3.40	0.315 - 0.329 8.00 - 8.35	0.2660	0.2608 - 0.2704 6.62 - 6.86	0.3150 8.00	861/4-20250UNC	861/4-20250UNCA	861/4-20250UNCV
	1.5	0.375	9.5	5.75					861/4-20375UNC	861/4-20375UNCA	861/4-20375UNCV
	2.0	0.500	12.7	8.00					861/4-20500UNC	861/4-20500UNCA	861/4-20500UNCV
	2.5	0.625	15.9	10.40					861/4-20625UNC	861/4-20625UNCA	861/4-20625UNCV
	3.0	0.750	19.0	12.75					861/4-20750UNC	861/4-20750UNCA	861/4-20750UNCV

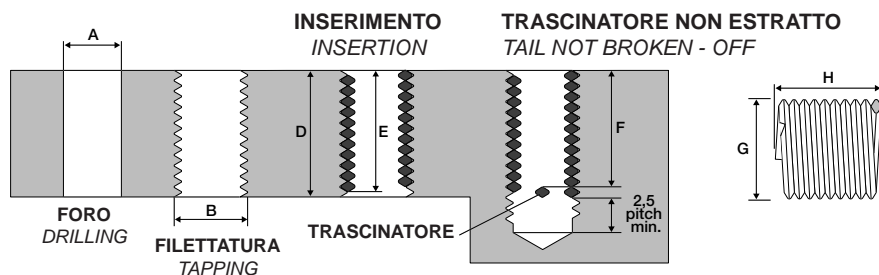


# FILETTI RIPORTATI PASSO UNC

## WIRE INSERTS UNC PITCH

# 6

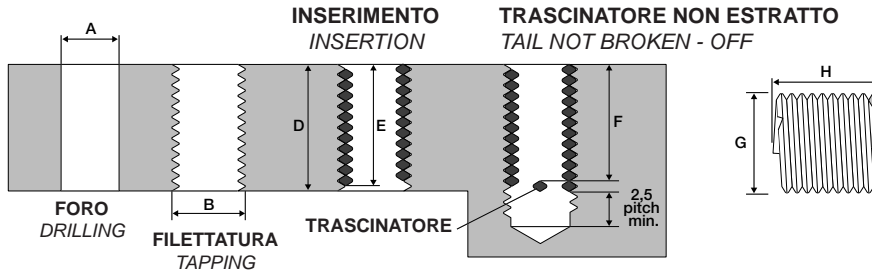
17.24



$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 D = Lunghezza filetto  
*Base tapping length*  
 H = N. delle spire allo stato libero  
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D mm	H -0.25	- G Ø Iniziale Ø Initial state Min - Max mm - mm	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code	
					Ø Foro Drill	Tolleranza Tolerance Min - Max mm - mm					
5/16-18 7.94 x 1.411	1.0	0.312	7.9	4.00	0.382 - 0.398 9.70 10.10	0.3320	0.3245 - 0.3342 8.4 8.24 8.49	0.3846 9.77	865/16-18312UNC	865/16-18312UNCA	865/16-18312UNCV
	1.5	0.469	11.9	6.60					865/16-18469UNC	865/16-18469UNCA	865/16-18469UNCV
	2.0	0.625	15.9	9.25					865/16-18625UNC	865/16-18625UNCA	865/16-18625UNCV
	2.5	0.781	19.8	11.90					865/16-18781UNC	865/16-18781UNCA	865/16-18781UNCV
	3.0	0.937	23.8	14.60					865/16-18937UNC	865/16-18937UNCA	865/16-18937UNCV
3/8-16 9.52 x 1.588	1.0	0.375	9.5	4.40	0.453 - 0.469 11.50 11.90	0.3970	0.3885 - 0.3987 9.89 10.12	0.4563 11.59	863/8-16375UNC	863/8-16375UNCA	863/8-16375UNCV
	1.5	0.562	14.3	7.25					863/8-16562UNC	863/8-16562UNCA	863/8-16562UNCV
	2.0	0.750	19.1	10.00					863/8-16750UNC	863/8-16750UNCA	863/8-16750UNCV
	2.5	0.937	23.8	12.90					863/8-16937UNC	863/8-16937UNCA	863/8-16937UNCV
	3.0	1.125	28.6	15.75					863/8-161125UNC	863/8-161125UNCA	863/8-161125UNCV
7/16-14 11.11 x 1.814	1.0	0.438	11.1	4.50	0.528 - 0.545 13.40 13.85	0.4531	0.4530 - 0.4639 11.51 11.78	0.5303 13.47	867/16-14438UNC	867/16-14438UNCA	867/16-14438UNCV
	1.5	0.656	16.7	7.40					867/16-14656UNC	867/16-14656UNCA	867/16-14656UNCV
	2.0	0.875	22.2	10.25					867/16-14875UNC	867/16-14875UNCA	867/16-14875UNCV
	2.5	1.094	27.8	13.10					867/16-141094UNC	867/16-141094UNCA	867/16-141094UNCV
	3.0	1.312	33.3	16.10					867/16-141312UNC	867/16-141312UNCA	867/16-141312UNCV
1/2-13 12.70 x 1.954	1.0	0.500	12.7	4.90	0.598 - 0.614 15.20 15.60	0.5312	0.5166 - 0.5273 13.12 13.40	0.6000 15.24	861/2-13500UNC	861/2-13500UNCA	861/2-13500UNCV
	1.5	0.750	19.1	7.90					861/2-13750UNC	861/2-13750UNCA	861/2-13750UNCV
	2.0	1.000	25.4	11.00					861/2-131000UNC	861/2-131000UNCA	861/2-131000UNCV
	2.5	1.250	31.8	14.10					861/2-131250UNC	861/2-131250UNCA	861/2-131250UNCV
	3.0	1.500	38.1	17.10					861/2-131500UNC	861/2-131500UNCA	861/2-131500UNCV
9/16-12 14.29 x 2.117	1.0	0.562	14.3	5.10	0.669 - 0.685 17.00 17.40	0.5938	0.5806 - 0.5918 14.75 15.03	0.6709 17.04	869/16-12562UNC	869/16-12562UNCA	869/16-12562UNCV
	1.5	0.844	21.5	8.25					869/16-12844UNC	869/16-12844UNCA	869/16-12844UNCV
	2.0	1.125	28.6	11.50					869/16-121125UNC	869/16-121125UNCA	869/16-121125UNCV
	2.5	1.406	35.7	14.75					869/16-121406UNC	869/16-121406UNCA	869/16-121406UNCV
	3.0	1.688	42.9	17.90					869/16-121688UNC	869/16-121688UNCA	869/16-121688UNCV
5/8-11 15.87 x 2.309	1.0	0.625	15.9	5.25	0.744 - 0.760 18.90 19.30	0.6562	0.6447 - 0.6564 16.38 16.68	0.7433 18.88	865/8-11625UNC	865/8-11625UNCA	865/8-11625UNCV
	1.5	0.937	23.8	8.50					865/8-11937UNC	865/8-11937UNCA	865/8-11937UNCV
	2.0	1.250	31.8	11.75					865/8-111250UNC	865/8-111250UNCA	865/8-111250UNCV
	2.5	1.562	39.7	15.00					865/8-111562UNC	865/8-111562UNCA	865/8-111562UNCV
	3.0	1.875	47.6	18.40					865/8-111875UNC	865/8-111875UNCA	865/8-111875UNCV
3/4-10 19.05 x 2.540	1.0	0.750	19.1	5.90	0.882 - 0.898 22.40 22.80	0.7812	0.7716 - 0.7838 19.60 19.91	0.8799 22.35	863/4-10750UNC	863/4-10750UNCA	863/4-10750UNCV
	1.5	1.125	28.6	9.40					863/4-101125UNC	863/4-101125UNCA	863/4-101125UNCV
	2.0	1.500	38.1	13.00					863/4-101500UNC	863/4-101500UNCA	863/4-101500UNCV
	2.5	1.875	47.6	16.50					863/4-101875UNC	863/4-101875UNCA	863/4-101875UNCV
	3.0	2.250	57.2	20.10					863/4-102250UNC	863/4-102250UNCA	863/4-102250UNCV

## FILETTI RIPORTATI PASSO UNC WIRE INSERTS UNC PITCH



$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 D = Lunghezza filetto  
*Base tapping length*  
 H = N. delle spire allo stato libero  
*No. of turns at the initial state*

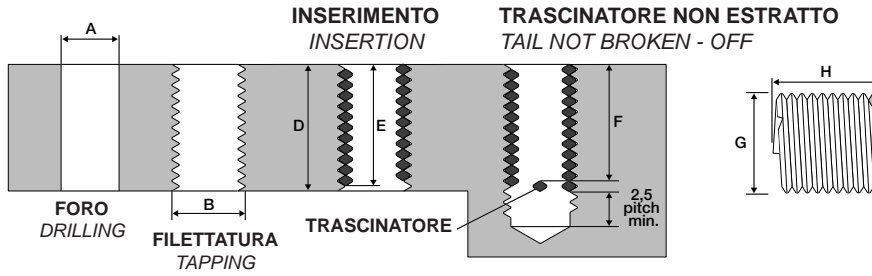
Ø x Passo x Pitch	x d	D mm		H -0.25	- G Ø Iniziale Ø Initial state Min - Max mm - mm	A Ø Foro / Ø Drill			Maschio Tap	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
						Ø Foro Drill	Tolleranza Tolerance Min - Max mm - mm		B Ø Est. min. Ext. min.			
7/8-9 22.22 x 2.822	1.0	0.875	22.2	6.25	1.024 - 1.039 26.00 - 26.40	0.9062 23.0	0.8990 - 0.9119 22.84 - 23.18		1.0193 25.89	867/8-9875UNC	867/8-9875UNCA	867/8-9875UNCV
	1.5	1.312	33.3	10.00						867/8-91312UNC	867/8-91312UNCA	867/8-91312UNCV
	2.0	1.750	44.5	13.75						867/8-91750UNC	867/8-91750UNCA	867/8-91750UNCV
	2.5	2.187	55.6	17.50						867/8-92187UNC	867/8-92187UNCA	867/8-92187UNCV
	3.0	2.625	66.7	21.25						867/8-92625UNC	867/8-92625UNCA	867/8-92625UNCV
1"-8 25.40 x 3.175	1.0	1.000	25.4	6.40	1.165 - 1.185 29.60 - 30.10	1.0312 26.4	1.0271 - 1.0421 26.09 - 26.47		1.1626 29.53	861"-81000UNC	861"-81000UNCA	861"-81000UNCV
	1.5	1.500	38.1	10.10						861"-81500UNC	861"-81500UNCA	861"-81500UNCV
	2.0	2.000	50.8	14.00						861"-82000UNC	861"-82000UNCA	861"-82000UNCV
	2.5	2.500	63.5	17.75						861"-82500UNC	861"-82500UNCA	861"-82500UNCV
	3.0	3.000	76.2	21.60						861"-83000UNC	861"-83000UNCA	861"-83000UNCV
1"1/8-7 28.22 x 3.629	1.0	1.125	28.6	6.10	1.315 - 1.339 33.40 - 34.00	1.1719 29.5	1.1559 - 1.1730 29.36 - 29.74		1.3106 33.29	861"1/8-71125UNC	861"1/8-71125UNCA	861"1/8-71125UNCV
	1.5	1.687	42.9	9.90						861"1/8-71687UNC	861"1/8-71687UNCA	861"1/8-71687UNCV
	2.0	2.250	57.2	13.60						861"1/8-72250UNC	861"1/8-72250UNCA	861"1/8-72250UNCV
	2.5	2.812	71.4	17.50						861"1/8-72812UNC	861"1/8-72812UNCA	861"1/8-72812UNCV
	3.0	3.375	85.7	21.25						861"1/8-73375UNC	861"1/8-73375UNCA	861"1/8-73375UNCV
1"1/4-7 31.75 x 3.629	1.0	1.250	31.8	7.00	1.441 - 1.465 36.60 - 37.20	1.2969 32.8	1.2809 - 1.2980 32.54 - 32.92		1.4354 36.46	861"1/4-71250UNC	861"1/4-71250UNCA	861"1/4-71250UNCV
	1.5	1.875	47.6	11.25						861"1/4-71875UNC	861"1/4-71875UNCA	861"1/4-71875UNCV
	2.0	2.500	63.5	15.40						861"1/4-72500UNC	861"1/4-72500UNCA	861"1/4-72500UNCV
	2.5	3.125	79.4	19.55						861"1/4-73125UNC	861"1/4-73125UNCA	861"1/4-73125UNCV
	3.0	3.750	95.3	23.80						861"1/4-73750UNC	861"1/4-73750UNCA	861"1/4-73750UNCV
1"3/8-6 34.92 x 4.234	1.0	1.375	34.9	6.50	1.594 - 1.622 40.50 - 41.20	1.4219 36.3	1.4110 - 1.4310 35.84 - 36.35		1.5913 40.42	861"3/8-61375UNC	861"3/8-61375UNCA	861"3/8-61375UNCV
	1.5	2.062	52.4	10.50						861"3/8-62062UNC	861"3/8-62062UNCA	861"3/8-62062UNCV
	2.0	2.750	69.9	14.40						861"3/8-62750UNC	861"3/8-62750UNCA	861"3/8-62750UNCV
	2.5	3.437	87.3	18.45						861"3/8-63437UNC	861"3/8-63437UNCA	861"3/8-63437UNCV
	3.0	4.125	104.8	22.30						861"3/8-64125UNC	861"3/8-64125UNCA	861"3/8-64125UNCV
1"1/2-6 38.10 x 4.234	1.0	1.500	38.1	7.20	1.724 - 1.748 43.80 - 44.40	1.5469 39.5	1.5360 - 1.5560 39.02 - 39.53		1.7165 43.60	861"1/2-61500UNC	861"1/2-61500UNCA	861"1/2-61500UNCV
	1.5	2.250	57.2	11.50						861"1/2-62250UNC	861"1/2-62250UNCA	861"1/2-62250UNCV
	2.0	3.000	76.2	15.90						861"1/2-63000UNC	861"1/2-63000UNCA	861"1/2-63000UNCV
	2.5	3.750	95.3	20.15						861"1/2-63750UNC	861"1/2-63750UNCA	861"1/2-63750UNCV
	3.0	4.500	114.3	24.55						861"1/2-64500UNC	861"1/2-64500UNCA	861"1/2-64500UNCV

# FILETTI RIPORTATI PASSO UNF

## WIRE INSERTS UNF PITCH

# 6

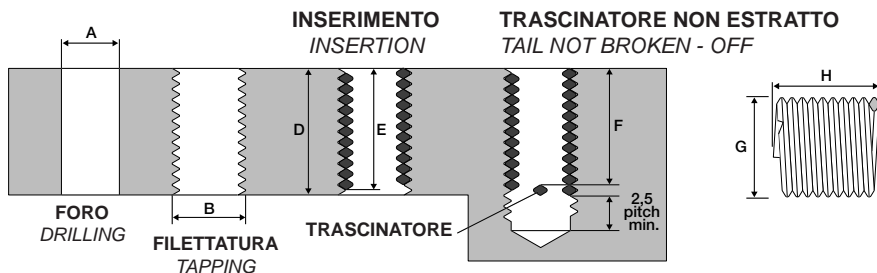
19.24



$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 $D = \text{Lunghezza filetto}$   
*Base tapping length*  
 $H = N. \text{ delle spire allo stato libero}$   
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D	H -0.25	G Ø Iniziale Ø Initial state Min - Max mm - mm	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code	
					Ø Foro Drill	Tolleranza Tolerance Min - Max mm - mm					
6-40 3.51 x 0.635	1.0	0.138	3.5	3.55	0.173 - 0.181 4.40 - 4.60	0.1495	0.1435 - 0.1503 3.66 - 3.81	0.1705 4.33	866-40138UNF	866-40138UNFA	866-40138UNFV
	1.5	0.207	5.3	6.10					866-40207UNF	866-40207UNFA	866-40207UNFV
	2.0	0.276	7.0	8.55					866-40276UNF	866-40276UNFA	866-40276UNFV
	2.5	0.345	8.8	10.95					866-40345UNF	866-40345UNFA	866-40345UNFV
	3.0	0.414	10.5	13.55					866-40414UNF	866-40414UNFA	866-40414UNFV
8-36 4.16 x 0.705	1.0	0.164	4.2	4.00	0.203 - 0.211 5.15 - 5.35	0.1770	0.1701 - 0.1771 4.32 - 4.47	0.2000 5.08	868-36164UNF	868-36164UNFA	868-36164UNFV
	1.5	0.246	6.3	6.70					868-36246UNF	868-36246UNFA	868-36246UNFV
	2.0	0.328	8.3	9.35					868-36328UNF	868-36328UNFA	868-36328UNFV
	2.5	0.410	10.5	11.90					868-36410UNF	868-36410UNFA	868-36410UNFV
	3.0	0.492	12.5	14.65					868-36492UNF	868-36492UNFA	868-36492UNFV
10-32 4.83 x 0.794	1.0	0.190	4.8	4.20	0.234 - 0.244 5.95 - 6.20	0.2031	0.1968 - 0.2041 5.00 - 5.16	0.2307 5.86	8610-32190UNF	8610-32190UNFA	8610-32190UNFV
	1.5	0.285	7.2	7.05					8610-32285UNF	8610-32285UNFA	8610-32285UNFV
	2.0	0.380	9.6	9.75					8610-32380UNF	8610-32380UNFA	8610-32380UNFV
	2.5	0.475	12.1	12.55					8610-32475UNF	8610-32475UNFA	8610-32475UNFV
	3.0	0.570	14.5	15.25					8610-32570UNF	8610-32570UNFA	8610-32570UNFV
1/4-28 6.35 x 0.907	1.0	0.250	6.4	5.10	0.301 - 0.315 7.65 - 8.00	0.2638	0.2577 - 0.2646 6.55 - 6.72	0.3012 7.53	861/4-28250UNF	861/4-28250UNFA	861/4-28250UNFV
	1.5	0.375	9.5	8.40					861/4-28375UNF	861/4-28375UNFA	861/4-28375UNFV
	2.0	0.500	12.7	11.60					861/4-28500UNF	861/4-28500UNFA	861/4-28500UNFV
	2.5	0.625	15.9	14.75					861/4-28625UNF	861/4-28625UNFA	861/4-28625UNFV
	3.0	0.750	19.0	17.95					861/4-28750UNF	861/4-28750UNFA	861/4-28750UNFV
5/16-24 7.94 x 1.058	1.0	0.312	7.9	5.65	0.372 - 0.382 9.45 - 9.70	0.3281	0.3215 - 0.3288 8.17 - 8.35	0.3665 9.31	865/16-24312UNF	865/16-24312UNFA	865/16-24312UNFV
	1.5	0.469	11.9	9.15					865/16-24469UNF	865/16-24469UNFA	865/16-24469UNFV
	2.0	0.625	15.9	12.55					865/16-24625UNF	865/16-24625UNFA	865/16-24625UNFV
	2.5	0.781	19.8	16.00					865/16-24781UNF	865/16-24781UNFA	865/16-24781UNFV
	3.0	0.937	23.8	19.50					865/16-24937UNF	865/16-24937UNFA	865/16-24937UNFV
3/8-24 9.52 x 1.058	1.0	0.375	9.5	7.10	0.437 - 0.457 11.10 - 11.60	0.3906	0.3840 - 0.3910 9.75 - 9.93	0.4291 10.90	863/8-24375UNF	863/8-24375UNFA	863/8-24375UNFV
	1.5	0.562	14.3	11.30					863/8-24562UNF	863/8-24562UNFA	863/8-24562UNFV
	2.0	0.750	19.1	15.40					863/8-24750UNF	863/8-24750UNFA	863/8-24750UNFV
	2.5	0.938	23.8	19.60					863/8-24938UNF	863/8-24938UNFA	863/8-24938UNFV
	3.0	1.125	28.6	23.75					863/8-241125UNF	863/8-241125UNFA	863/8-241125UNFV
7/16-20 11.11 x 1.270	1.0	0.438	11.1	6.85	0.508 - 0.524 12.90 - 13.30	0.4531	0.4483 - 0.4561 11.39 - 11.59	0.5024 12.76	867/16-20438UNF	867/16-20438UNFA	867/16-20438UNFV
	1.5	0.656	16.7	11.00					867/16-20656UNF	867/16-20656UNFA	867/16-20656UNFV
	2.0	0.875	22.2	15.15					867/16-20875UNF	867/16-20875UNFA	867/16-20875UNFV
	2.5	1.094	27.8	19.20					867/16-201094UNF	867/16-201094UNFA	867/16-201094UNFV
	3.0	1.312	33.3	23.35					867/16-201312UNF	867/16-201312UNFA	867/16-201312UNFV

## FILETTI RIPORTATI PASSO UNF WIRE INSERTS UNF PITCH

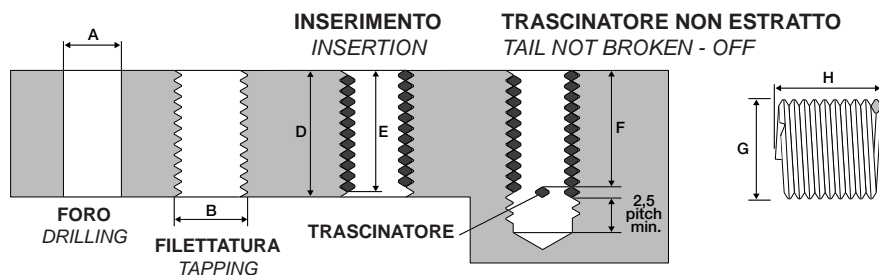


$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 D = Lunghezza filetto  
*Base tapping length*  
 H = N. delle spire allo stato libero  
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D mm		H -0.25	G Ø Iniziale Ø Initial state Min - Max mm - mm	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
						Ø Foro Drill	Tolleranza Tolerance Min - Max mm - mm				
<b>1/2-20</b> 12.70 x 1.270	1.0	0.500	12.7	8.20	0.571 - 0.587 14.50 - 14.90	0.5156	0.5108 - 0.5186 12.97 - 13.17	0.5650 14.35	861/2-20500UNF	861/2-20500UNFA	861/2-20500UNFV
	1.5	0.750	19.1	12.90					861/2-20750UNF	861/2-20750UNFA	861/2-20750UNFV
	2.0	1.000	25.4	17.60					861/2-201000UNF	861/2-201000UNFA	861/2-201000UNFV
	2.5	1.250	31.8	22.30					861/2-201250UNF	861/2-201250UNFA	861/2-201250UNFV
	3.0	1.500	38.1	27.00					861/2-201500UNF	861/2-201500UNFA	861/2-201500UNFV
<b>9/16-18</b> 14.29 x 1.411	1.0	0.562	14.3	8.20	0.646 - 0.665 16.40 - 16.90	0.5781	0.5745 - 0.5826 14.59 - 14.79	0.6346 16.12	869/16-18562UNF	869/16-18562UNFA	869/16-18562UNFV
	1.5	0.844	21.5	12.85					869/16-18844UNF	869/16-18844UNFA	869/16-18844UNFV
	2.0	1.125	28.6	17.60					869/16-181125UNF	869/16-181125UNFA	869/16-181125UNFV
	2.5	1.406	35.7	22.40					869/16-181406UNF	869/16-181406UNFA	869/16-181406UNFV
	3.0	1.687	42.9	27.05					869/16-181687UNF	869/16-181687UNFA	869/16-181687UNFV
<b>5/8-18</b> 15.88 x 1.411	1.0	0.625	15.9	9.20	0.717 - 0.732 18.20 - 18.60	0.6406	0.6370 - 0.6451 16.18 - 16.38	0.6972 17.71	865/8-18625UNF	865/8-18625UNFA	865/8-18625UNFV
	1.5	0.937	23.8	14.40					865/8-18937UNF	865/8-18937UNFA	865/8-18937UNFV
	2.0	1.250	31.8	19.65					865/8-181250UNF	865/8-181250UNFA	865/8-181250UNFV
	2.5	1.562	39.7	24.75					865/8-181562UNF	865/8-181562UNFA	865/8-181562UNFV
	3.0	1.875	47.6	30.05					865/8-181875UNF	865/8-181875UNFA	865/8-181875UNFV
<b>3/4-16</b> 19.05 x 1.588	1.0	0.750	19.1	10.00	0.850 - 0.870 21.60 - 22.10	0.7656	0.7635 - 0.7720 19.39 - 19.60	0.8311 21.11	863/4-16750UNF	863/4-16750UNFA	863/4-16750UNFV
	1.5	1.125	28.6	15.55					863/4-161125UNF	863/4-161125UNFA	863/4-161125UNFV
	2.0	1.500	38.1	21.15					863/4-161500UNF	863/4-161500UNFA	863/4-161500UNFV
	2.5	1.875	47.7	26.70					863/4-161875UNF	863/4-161875UNFA	863/4-161875UNFV
	3.0	2.250	57.2	32.35					863/4-162250UNF	863/4-162250UNFA	863/4-162250UNFV
<b>7/8-14</b> 22.22 x 1.814	1.0	0.875	22.2	10.30	0.984 - 1.008 25.00 - 25.60	0.8906	0.8905 - 0.8994 22.62 - 22.84	0.9677 24.58	867/8-14875UNF	867/8-14875UNFA	867/8-14875UNFV
	1.5	1.312	33.3	16.10					867/8-141312UNF	867/8-141312UNFA	867/8-141312UNFV
	2.0	1.750	44.5	21.90					867/8-141750UNF	867/8-141750UNFA	867/8-141750UNFV
	2.5	2.187	55.6	27.65					867/8-142187UNF	867/8-142187UNFA	867/8-142187UNFV
	3.0	2.625	66.7	33.50					867/8-142625UNF	867/8-142625UNFA	867/8-142625UNFV

# FILETTI RIPORTATI PASSO BSP

## WIRE INSERTS BSP PITCH

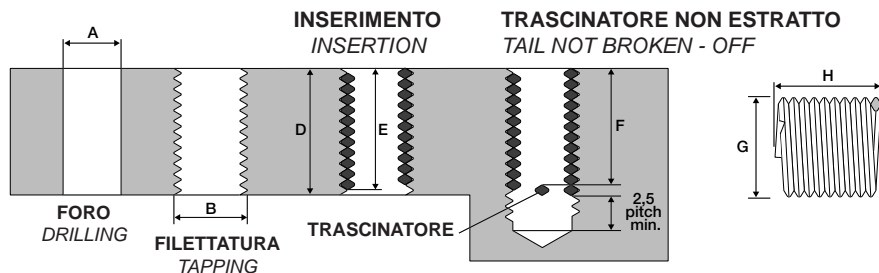


$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 $D = \text{Lunghezza filetto}$   
*Base tapping length*  
 $H = N. \text{ delle spire allo stato libero}$   
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D	H -0.25	G Ø Iniziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max			
<b>1/8-28</b> 9.728 x 0.907	1.5	4.8	3.70	11.2 - 11.6	10.1	9.91 - 10.16	10.82	861/8-2848BSP	861/8-2848BSPV
	2.0	6.4	5.20					861/8-2864BSP	861/8-2864BSPV
	2.5	7.9	6.85					861/8-2879BSP	861/8-2879BSPV
	3.0	9.5	8.40					861/8-2895BSP	861/8-2895BSPV
<b>1/4-19</b> 13.157 x 1.337	1.5	9.5	5.45	15.2 - 15.7	13.7	13.46 - 13.72	14.74	861/4-1995BSP	861/4-1995BSPV
	2.0	12.7	7.60					861/4-19127BSP	861/4-19127BSPV
	2.5	15.9	9.90					861/4-19159BSP	861/4-19159BSPV
	3.0	19.0	12.15					861/4-19190BSP	861/4-19190BSPV
<b>3/8-19</b> 16.662 x 1.337	1.0	9.5	5.40	19.0 - 19.5	17.2	17.02 - 17.27	18.25	863/8-1995BSP	863/8-1995BSPV
	1.5	14.3	8.70					863/8-19143BSP	863/8-19143BSPV
	2.0	19.1	12.10					863/8-19191BSP	863/8-19191BSPV
	2.5	23.8	15.35					863/8-19238BSP	863/8-19238BSPV
<b>1/2-14</b> 20.955 x 1.814	1.0	12.7	5.40	23.7 - 24.3	21.5	21.34 - 21.59	23.09	861/2-14127BSP	861/2-14127BSPV
	1.5	19.1	8.70					861/2-14191BSP	861/2-14191BSPV
	2.0	25.4	12.00					861/2-14254BSP	861/2-14254BSPV
	2.5	31.8	15.35					861/2-14318BSP	861/2-14318BSPV
<b>5/8-14</b> 22.911 x 1.814	1.0	15.9	7.05	25.6 - 26.3	23.5	23.24 - 23.55	25.05	865/8-14159BSP	865/8-14159BSPV
	1.5	23.8	11.25					865/8-14238BSP	865/8-14238BSPV
	2.0	31.8	15.40					865/8-14318BSP	865/8-14318BSPV
	2.5	39.7	19.60					865/8-14397BSP	865/8-14397BSPV
<b>3/4-14</b> 26.441 x 1.814	1.0	19.1	8.70	29.3 - 30.0	27.0	26.75 - 27.08	28.59	863/4-14191BSP	863/4-14191BSPV
	1.5	28.6	13.60					863/4-14286BSP	863/4-14286BSPV
	2.0	38.1	18.80					863/4-14381BSP	863/4-14381BSPV
	2.5	47.6	23.80					863/4-14476BSP	863/4-14476BSPV
<b>7/8-14</b> 30.201 x 1.814	1.0	22.2	10.35	33.3 - 34.0	30.7	30.48 - 30.81	32.35	867/8-14222BSP	867/8-14222BSPV
	1.5	33.3	16.20					867/8-14333BSP	867/8-14333BSPV
	2.0	44.5	22.10					867/8-14445BSP	867/8-14445BSPV
<b>1"-11</b> 33.249 x 2.309	1.0	25.4	9.20	37.0 - 37.8	33.7	33.53 - 33.91	35.96	861~-11254BSP	861~-11254BSPV
	1.5	38.1	14.40					861~-11381BSP	861~-11381BSPV
	2.0	50.8	19.60					861~-11508BSP	861~-11508BSPV

# FILETTI RIPORTATI PASSO BSW

## WIRE INSERTS BSW PITCH



$$E = D - 0,75 \times \text{Passo} / \text{Pitch}$$

$$F = D - 1,5 \times \text{Passo} / \text{Pitch}$$

D = Lunghezza filetto

Base tapping length

H = N. delle spire allo stato libero

No. of turns at the initial state

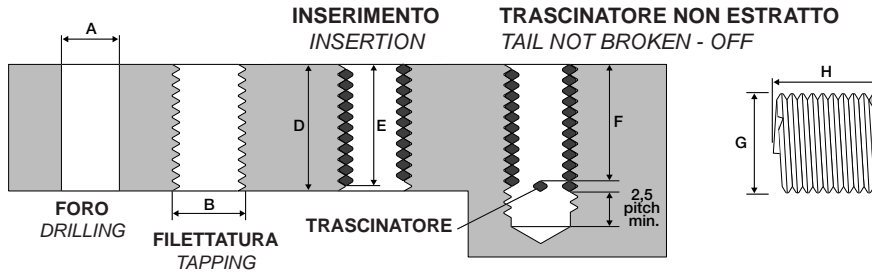
Ø x Passo x Pitch	x d	D	H -0.25	G Ø Iniziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
1/4-20 6.350 x 1.270	1.0	6.4	3.40	7.9 - 8.2	6.7	6.63 - 6.78	7.84	861/4-2064BSW	861/4-2064BSWA	861/4-2064BSWV
	1.5	9.5	5.80					861/4-2095BSW	861/4-2095BSWA	861/4-2095BSWV
	2.0	12.7	8.10					861/4-20127BSW	861/4-20127BSWA	861/4-20127BSWV
	2.5	15.9	10.50					861/4-20159BSW	861/4-20159BSWA	861/4-20159BSWV
5/16-18 7.938 x 1.411	1.0	7.9	4.10	9.7 - 10.1	8.5	8.33 - 8.48	9.59	865/16-1879BSW	865/16-1879BSWA	865/16-1879BSWV
	1.5	11.9	6.70					865/16-18119BSW	865/16-18119BSWA	865/16-18119BSWV
	2.0	15.9	9.40					865/16-18159BSW	865/16-18159BSWA	865/16-18159BSWV
	2.5	19.8	12.00					865/16-18198BSW	865/16-18198BSWA	865/16-18198BSWV
3/8-16 9.525 x 1.588	1.0	9.5	4.50	11.5 - 11.9	10.1	9.91 - 10.11	11.39	863/8-1695BSW	863/8-1695BSWA	863/8-1695BSWV
	1.5	14.3	7.30					863/8-16143BSW	863/8-16143BSWA	863/8-16143BSWV
	2.0	19.1	10.20					863/8-16191BSW	863/8-16191BSWA	863/8-16191BSWV
	2.5	23.8	13.00					863/8-16238BSW	863/8-16238BSWA	863/8-16238BSWV
7/16-14 11.113 x 1.814	1.0	11.1	4.65	13.35 - 13.8	11.7	11.51 - 11.76	13.24	867/16-14111BSW	867/16-14111BSWA	867/16-14111BSWV
	1.5	16.7	7.65					867/16-14167BSW	867/16-14167BSWA	867/16-14167BSWV
	2.0	22.2	10.50					867/16-14222BSW	867/16-14222BSWA	867/16-14222BSWV
	2.5	27.8	13.45					867/16-14278BSW	867/16-14278BSWA	867/16-14278BSWV
1/2-12 12.700 x 2.117	1.0	12.7	4.40	15.3 - 15.7	13.2	13.08 - 13.34	15.17	861/2-12127BSW	861/2-12127BSWA	861/2-12127BSWV
	1.5	19.1	7.35					861/2-12191BSW	861/2-12191BSWA	861/2-12191BSWV
	2.0	25.4	10.15					861/2-12254BSW	861/2-12254BSWA	861/2-12254BSWV
	2.5	31.8	13.05					861/2-12318BSW	861/2-12318BSWA	861/2-12318BSWV
9/16-12 14.290 x 2.117	1.0	14.3	5.20	16.9 - 17.3	14.7	14.68 - 14.94	16.76	869/16-12143BSW	869/16-12143BSWA	869/16-12143BSWV
	1.5	21.5	8.45					869/16-12215BSW	869/16-12215BSWA	869/16-12215BSWV
	2.0	28.6	11.65					869/16-12286BSW	869/16-12286BSWA	869/16-12286BSWV
	2.5	35.7	14.85					869/16-12357BSW	869/16-12357BSWA	869/16-12357BSWV
5/8-11 15.876 x 2.309	1.0	15.9	5.45	18.7 - 19.1	16.6	16.59 - 16.84	18.57	865/8-11159BSW	865/8-11159BSWA	865/8-11159BSWV
	1.5	23.8	8.75					865/8-11238BSW	865/8-11238BSWA	865/8-11238BSWV
	2.0	31.8	12.00					865/8-11318BSW	865/8-11318BSWA	865/8-11318BSWV
	2.5	39.7	15.45					865/8-11397BSW	865/8-11397BSWA	865/8-11397BSWV
3/4-10 19.051 x 2.540	1.0	19.1	6.05	22.2 - 22.6	20.0	19.84 - 20.09	22.02	863/4-10191BSW	863/4-10191BSWA	863/4-10191BSWV
	1.5	28.6	9.65					863/4-10286BSW	863/4-10286BSWA	863/4-10286BSWV
	2.0	38.1	13.30					863/4-10381BSW	863/4-10381BSWA	863/4-10381BSWV
	2.5	47.6	16.95					863/4-10476BSW	863/4-10476BSWA	863/4-10476BSWV
7/8-9 22.226 x 2.822	1.0	22.2	6.45	25.7 - 26.2	23.0	23.01 - 23.27	25.52	867/8-9222BSW	867/8-9222BSWA	867/8-9222BSWV
	1.5	33.3	10.20					867/8-9333BSW	867/8-9333BSWA	867/8-9333BSWV
	2.0	44.5	14.05					867/8-9445BSW	867/8-9445BSWA	867/8-9445BSWV
	2.5	55.6	17.90					867/8-9556BSW	867/8-9556BSWA	867/8-9556BSWV
1"-8 25.400 x 3.175	1.0	25.4	6.55	29.3 - 29.8	26.5	26.19 - 26.52	29.10	861~-8254BSW	861~-8254BSWA	861~-8254BSWV
	1.5	38.1	10.30					861~-8381BSW	861~-8381BSWA	861~-8381BSWV
	2.0	50.8	14.20					861~-8508BSW	861~-8508BSWA	861~-8508BSWV
	2.5	63.5	18.05					861~-8635BSW	861~-8635BSWA	861~-8635BSWV

# FILETTI RIPORTATI PASSO BSF

## WIRE INSERTS BSF PITCH

# 6

23.24



$E = D - 0,75 \times \text{Passo} / \text{Pitch}$   
 $F = D - 1,5 \times \text{Passo} / \text{Pitch}$   
 $D = \text{Lunghezza filetto}$   
*Base tapping length*  
 $H = N. \text{ delle spire allo stato libero}$   
*No. of turns at the initial state*

Ø x Passo x Pitch	x d	D	H -0.25	G Ø Iniziale Ø Initial state Min - Max	A Ø Foro / Ø Drill		Maschio Tap B Ø Est. min. Ø Ext. min.	Codice standard Standard code	Codice autobloccante Self-locking code	Codice verde Green colour code
					Ø Foro Drill	Tolleranza Tolerance Min - Max				
1/4-26 6.350 x 0.977	1.0	6.4	4.75	7.6 - 7.9	6.7	6.53 - 6.71	7.51	861/4-2664BSF	861/4-2664BSFA	861/4-2664BSFV
	1.5	9.5	7.90					861/4-2695BSF	861/4-2695BSFA	861/4-2695BSFV
	2.0	12.7	10.80					861/4-26127BSF	861/4-26127BSFA	861/4-26127BSFV
	2.5	15.9	13.90					861/4-26159BSF	861/4-26159BSFA	861/4-26159BSFV
5/16-22 7.938 x 1.156	1.0	7.9	5.15	9.5 - 9.8	8.3	8.20 - 8.38	9.30	865/16-2279BSF	865/16-2279BSFA	865/16-2279BSFV
	1.5	11.9	8.35					865/16-22119BSF	865/16-22119BSFA	865/16-22119BSFV
	2.0	15.9	11.55					865/16-22159BSF	865/16-22159BSFA	865/16-22159BSFV
	2.5	19.8	14.75					865/16-22198BSF	865/16-22198BSFA	865/16-22198BSFV
3/8-20 9.525 x 1.270	1.0	9.5	5.85	11.1 - 11.4	9.9	9.78 - 9.96	11.02	863/8-2095BSF	863/8-2095BSFA	863/8-2095BSFV
	1.5	14.3	9.40					863/8-20143BSF	863/8-20143BSFA	863/8-20143BSFV
	2.0	19.1	12.95					863/8-20191BSF	863/8-20191BSFA	863/8-20191BSFV
	2.5	23.8	20.05					863/8-20238BSF	863/8-20238BSFA	863/8-20238BSFV
7/16-18 11.113 x 1.411	1.0	11.1	6.15	13.0 - 13.4	11.5	11.43 - 11.63	12.78	867/16-18111BSF	867/16-18111BSFA	867/16-18111BSFV
	1.5	16.7	9.90					867/16-18167BSF	867/16-18167BSFA	867/16-18167BSFV
	2.0	22.2	13.70					867/16-18222BSF	867/16-18222BSFA	867/16-18222BSFV
	2.5	27.8	17.35					867/16-18278BSF	867/16-18278BSFA	867/16-18278BSFV
1/2-16 12.700 x 1.588	1.0	12.7	6.35	14.8 - 15.3	13.2	13.03 - 13.26	14.57	861/2-16127BSF	861/2-16127BSFA	861/2-16127BSFV
	1.5	19.1	10.15					861/2-16191BSF	861/2-16191BSFA	861/2-16191BSFV
	2.0	25.4	13.90					861/2-16254BSF	861/2-16254BSFA	861/2-16254BSFV
	2.5	31.8	17.70					861/2-16318BSF	861/2-16318BSFA	861/2-16318BSFV
9/16-16 14.288 x 1.588	1.0	14.3	7.30	16.5 - 17.0	14.7	14.66 - 14.88	16.16	869/16-16143BSF	869/16-16143BSFA	869/16-16143BSFV
	1.5	21.5	11.55					869/16-16215BSF	869/16-16215BSFA	869/16-16215BSFV
	2.0	28.6	15.70					869/16-16286BSF	869/16-16286BSFA	869/16-16286BSFV
	2.5	35.7	20.10					869/16-16357BSF	869/16-16357BSFA	869/16-16357BSFV
5/8-14 15.875 x 1.814	1.0	15.9	7.10	18.3 - 18.9	16.4	16.26 - 16.49	18.01	865/8-14159BSF	865/8-14159BSFA	865/8-14159BSFV
	1.5	23.8	11.25					865/8-14238BSF	865/8-14238BSFA	865/8-14238BSFV
	2.0	31.8	15.45					865/8-14318BSF	865/8-14318BSFA	865/8-14318BSFV
	2.5	39.7	19.50					865/8-14397BSF	865/8-14397BSFA	865/8-14397BSFV
3/4-12 19.050 x 2.117	1.0	19.1	7.35	21.8 - 22.4	19.5	19.43 - 19.69	21.53	863/4-12191BSF	863/4-12191BSFA	863/4-12191BSFV
	1.5	28.6	11.65					863/4-12286BSF	863/4-12286BSFA	863/4-12286BSFV
	2.0	38.1	15.95					863/4-12381BSF	863/4-12381BSFA	863/4-12381BSFV
	2.5	47.6	20.25					863/4-12476BSF	863/4-12476BSFA	863/4-12476BSFV
7/8-11 22.225 x 2.309	1.0	22.2	7.95	25.3 - 26.1	22.7	22.61 - 22.86	24.94	867/8-11222BSF	867/8-11222BSFA	867/8-11222BSFV
	1.5	33.3	12.45					867/8-11333BSF	867/8-11333BSFA	867/8-11333BSFV
	2.0	44.5	17.15					867/8-11445BSF	867/8-11445BSFA	867/8-11445BSFV
	2.5	55.6	21.75					867/8-11556BSF	867/8-11556BSFA	867/8-11556BSFV
1"-10 25.400 x 2.540	1.0	25.4	8.30	28.6 - 29.4	26.5	26.19 - 26.52	28.38	861~-10254BSF	861~-10254BSFA	861~-10254BSFV
	1.5	38.1	13.20					861~-10381BSF	861~-10381BSFA	861~-10381BSFV
	2.0	50.8	18.05					861~-10508BSF	861~-10508BSFA	861~-10508BSFV
	2.5	63.5	22.80					861~-10635BSF	861~-10635BSFA	861~-10635BSFV



**RIVETTI A STRAPPO**  
*BLIND RIVETS*



**INSERTI FILETTATI**  
*THREADED INSERTS*



**AUTOFISSANTI**  
*SELF-CLINCHING  
FASTENERS*



**PERNI A SALDARE**  
*WELDING STUDS*



**FISSAGGI PER MATERIE  
PLASTICHE**  
*FASTENERS FOR PLASTICS*



**INSERTI PER TUBI**  
*INSERTS FOR TUBES*



**BUSSOLE AUTOFILETTANTI E  
SPECIALI**  
*SELF-TAPPING AND SPECIAL  
THREADED INSERTS*

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