

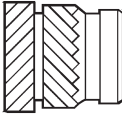
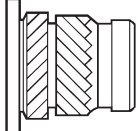
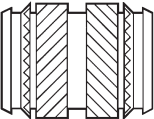
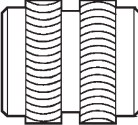
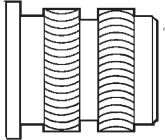
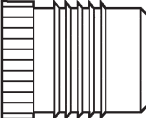
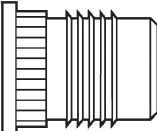
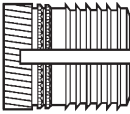
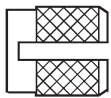
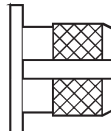
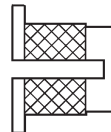
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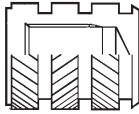
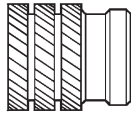
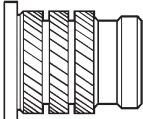
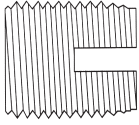
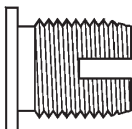

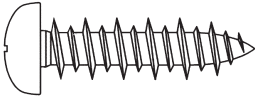
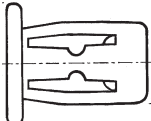
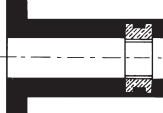

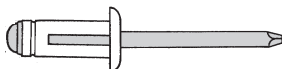


**FISSAGGI PER  
MATERIE PLASTICHE  
FASTENERS FOR PLASTICS**

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# INSERTI FILETTATI IN OTTONE TIPO FXSL

INSERIMENTO A CALDO O ULTRASUONI

## THREADED INSERTS IN BRASS FXSL TYPE

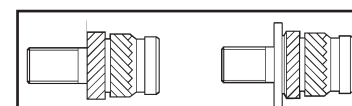
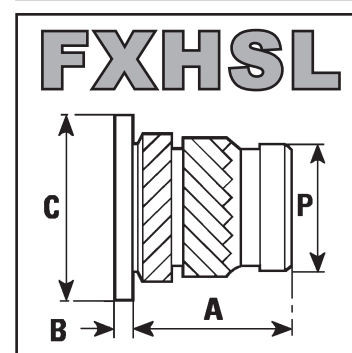
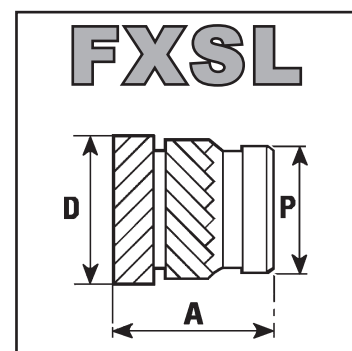
INSTALLATION USING HEAT OR ULTRASONICS

FXSL e FXHSL sono inserti in ottone, da utilizzare su materiali termoplastici. Le godronature invertite ne garantiscono un'ottima tenuta alla trazione ed alla rotazione. Possono anche essere inseriti in costampaggio.

*FXSL and FXHSL are brass inserts designed for thermoplastics materials. It features opposed helical knurl bands to provide a combination of high torque and pull out resistance. Can be moulded in.*

Filetto interno Internal Thread	A	B	C	D	P	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	4,0*	0,53	4,8	3,6	3,1	3,2	1,3
M 2,5	5,7*	0,61	5,5	4,6	3,9	4,0	1,6
M 3	5,7*	0,61	5,5	4,6	3,9	4,0	1,6
M 4	8,1*	0,91	7,1	6,3	5,5	5,6	2,1
M 5	9,5*	1,09	7,9	7,1	6,3	6,4	2,6
M 6	12,7*	1,35	9,5	8,7	7,9	8,0	3,3
M 8	12,7	1,35	11,1	10,2	9,5	9,6	4,5
M 10	12,7	1,60	14,0	12,6	11,8	11,9	6,0
M 12	15,9	2,00	19,0	16,7	15,8	16,0	8,0

\* DISPONIBILI ALTEZZE RIDOTTE / AVAILABLE SHORTER LENGTHS

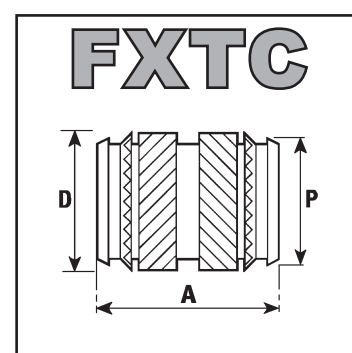


VERSIONE PRIGIONIERO A RICHIESTA  
STUD VERSION ON REQUEST

FXTC é un inserto filettato in ottone con le stesse caratteristiche di tenuta del FXSL. La forma simmetrica permette l'utilizzo durante lo stampaggio della plastica ed è consigliato anche per l'inserimento in automatico.

*FXTC is a brass insert with the same performance of FXSL. Installation is simplified by the symmetrical nature of the insert, eliminating the need for orientation during automated or hand feeding.*

Filetto interno Internal Thread	A	D	P	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	4,0	3,5	3,1	3,2	1,3
M 2,5	5,7	4,4	3,9	4,0	1,6
M 3	5,7	4,4	3,9	4,0	1,6
M 4	8,1	6,1	5,5	5,6	2,1
M 5	9,5	6,8	6,3	6,4	2,6
M 6	12,7	8,5	7,9	8,0	3,3
M 8	12,7	10,0	9,5	9,6	4,5
M 10	12,7	12,3	11,8	11,9	6,0
M 12	15,9	16,3	15,8	16,0	8,0



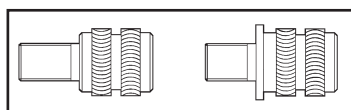
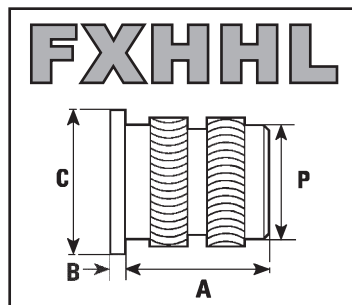
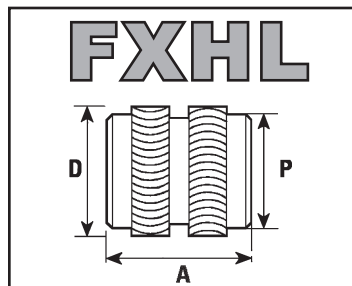
INSERIMENTO A CALDO  
INSTALLATION USING HEAT

# INSERTI FILETTATI IN OTTONE TIPO FXHL

INSERIMENTO A CALDO

## THREADED INSERTS IN BRASS FXHL TYPE

INSTALLATION USING HEAT



VERSIONE PRIGIONIERO A RICHIESTA  
STUD VERSION ON REQUEST

FXHL e FXHHL sono inserti in ottone, per l'installazione su materiali termoplastici amorfi, sensibili all'intaglio. Caratterizzati da zigrinature arrotondate e non taglienti. Possono anche essere inseriti in costampaggio.

*FXHL and FXHHL are brass inserts used in amorphous thermoplastics often sensitive to notch. Typical are the rounded knurls that doesn't cut the plastic. Can be moulded in.*

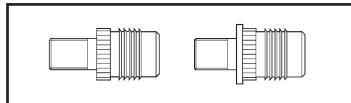
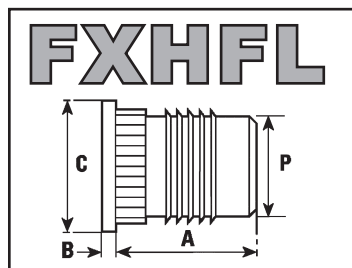
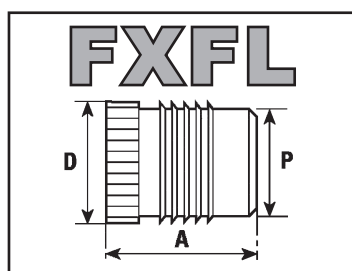
Filetto interno Internal Thread	A	B	C	D	P	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	3,9	0,51	4,8	3,5	3,1	3,2	1,4
M 2,5	5,8	0,58	5,5	4,4	3,9	4,0	1,8
M 3	5,8	0,58	5,5	4,4	3,9	4,0	1,8
M 4	8,1	0,89	7,1	6,1	5,5	5,6	2,4
M 5	9,5	1,07	7,9	6,9	6,3	6,4	2,8
M 6	12,7	1,32	9,5	8,5	7,9	8,0	3,6
M 8	12,7	1,32	11,1	10,0	9,5	9,6	5

# INSERTI FILETTATI IN OTTONE TIPO FXFL

INSERIMENTO A PRESSIONE

## THREADED INSERTS IN BRASS FXFL TYPE

INSTALLATION BY ACTION PRESS



VERSIONE PRIGIONIERO A RICHIESTA  
STUD VERSION ON REQUEST

FXFL - FXHFL sono inserti in ottone, da installare a pressione su materiali termoplastici teneri e medi.

*FXFL - FXHFL are press-in brass inserts which can be installed into soft and medium thermoplastics materials*

Filetto interno Internal Thread	A	B	C	D	P	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	4,0	0,45	4,8	3,7	3,1	3,2	1,6
M 2,5	4,8	0,58	5,5	4,5	3,9	4,0	2,0
M 3	4,8	0,58	5,5	4,5	3,9	4,0	2,0
M 4	7,9	0,89	7,1	6,1	5,5	5,6	2,8
M 5	9,5	1,07	7,9	7,0	6,3	6,4	3,2
M 6	12,7	1,32	9,5	8,6	7,9	8,0	4,0
M 8	12,7	1,32	11,1	10,2	9,5	9,6	4,8

# INSERTI FILETTATI IN OTTONE TIPO FXPLK

## INSERIMENTO A PRESSIONE

### THREADED INSERTS IN BRASS FXPLK TYPE

#### INSTALLATION BY ACTION PRESS

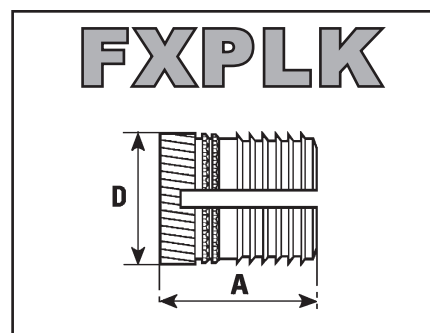
FXPLK é un inserto in ottone, per l'installazione rapida su materiali termoplastici teneri e medi.

Dopo l'inserimento ha un leggero effetto autofrenante sulla vite.

*FXPLK is a press-in expansion brass insert, used in soft and medium thermoplastics. After installation it's a little bit self locking.*

Filetto interno Internal Thread	A	D	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	4,0	3,5	3,2	1,6
M 2,5	5,8*	4,4	4,0	2,0
M 3	5,8*	4,4	4,0	2,0
M 4	8,2*	6,1	5,6	2,8
M 5	9,5*	6,8	6,4	3,2
M 6	12,7*	8,5	8,0	4,0
M 8	12,7	10,0	9,6	4,8

\* DISPONIBILI ALTEZZE RIDOTTE / AVAILABLE SHORTER LENGTHS



# INSERTI FILETTATI IN OTTONE TIPO FXBL

## INSERIMENTO A PRESSIONE

### THREADED INSERTS IN BRASS FXBL TYPE

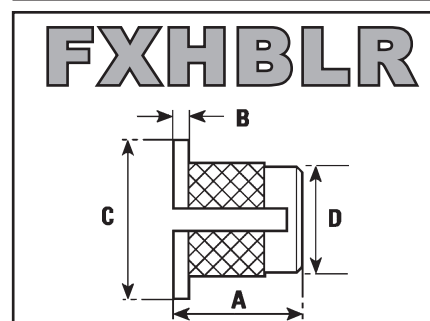
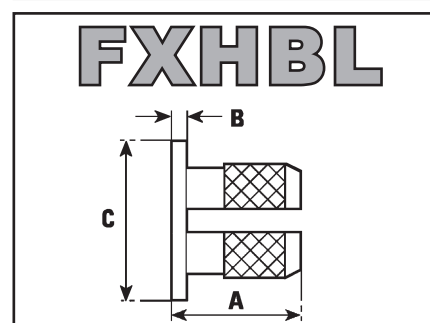
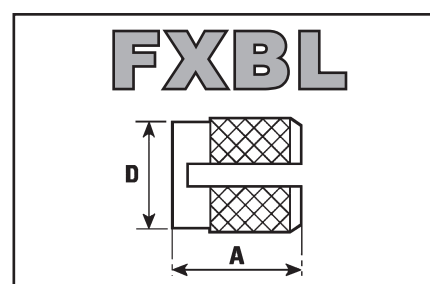
#### INSTALLATION BY ACTION PRESS

FXBL - FXHBL - FXHBLR sono inserti in ottone ad inserimento a pressione con tenuta ad espansione. Ideale per termoindurenti.

Dopo l'inserimento ha un leggero effetto autofrenante sulla vite.

*FXBL - FXHBL - FXHBLR are press-in expansion brass inserts used in hard thermosetting plastics. After installation it's a little bit self locking.*

Filetto interno Internal Thread	A	B	C	D	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	3,9	0,43	4,8	3,2	3,2	2,4
M 2,5	4,7	0,51	5,5	4,0	4,0	3,2
M 3	4,7	0,51	5,5	4,0	4,0	3,2
M 4	7,9	0,82	7,1	5,5	5,6	4,0
M 5	9,4	0,99	7,9	6,3	6,4	4,8
M 6	12,6	1,25	9,5	7,9	8,0	6,0
M 8	12,6	1,25	11,1	9,5	9,6	7,0



# INSERTI FILETTATI IN OTTONE CIECHI TIPO FXFTC

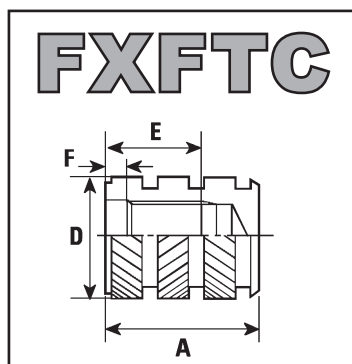
## INSERIMENTO COSTAMPAGGIO

### BLIND ENDED THEREADED BRASS INSERTS FXFTC TYPE

#### MOULD-IN INSTALLATION

FXFTC é un inserto in ottone, cieco studiato per il costampaggio.

FXFTC is a blind ended threaded brass insert ideal for mould in.

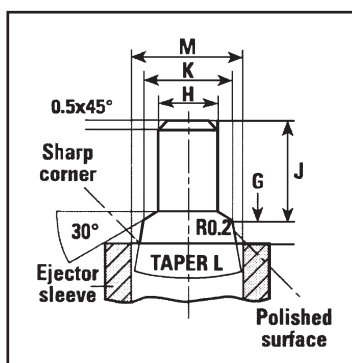
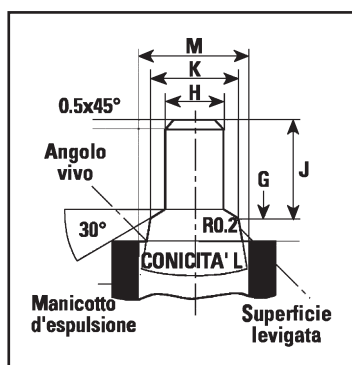


Filetto interno Internal Thread	A *	D	E min.	F
M 2	5,5	3,4	3,6	1,0
M 2,5	6,4	4,3	4,0	1,2
M 3	7,3	4,7	4,6	1,3
M 4	10,2	6,3	6,7	1,8
M 5	11,2	7,3	7,4	2,0
M 6	14,4	9,8	8,1	2,0
M 8	16,5	11,4	11,1	2,3
M 10	17,9	13,8	11,9	2,4

\* ALTEZZE SPECIALI SU RICHIESTA / AVAILABLE SPECIAL LENGTHS

## SPINA DI RIFERIMENTO SULLO STAMPO

### LOCATING PIN



Filetto interno Internal Thread	G -020 +040 mm	H -025 +000 mm	J -100 +100 mm	K -0125 +0125 mm	L inclusi gradi inclusive degrees	M mm
M 2	0,80	1,55	2,65	2,300	6	3,00
M 2,5	0,90	2,00	3,00	2,800	5	3,50
M 3	1,05	2,45	3,40	3,125	4,5	4,00
M 4	1,55	3,25	5,00	4,425	4,5	5,40
M 5	1,70	4,15	5,55	5,125	5	6,00
M 6	1,80	4,95	6,15	6,500	5,5	8,00
M 8	2,00	6,70	9,00	8,500	6	10,00
M 10	2,10	8,40	9,70	10,500	6	12,00

# INSERTI FILETTATI IN OTTONE TIPO FXSP

## INSERIMENTO A PRESSIONE

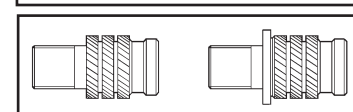
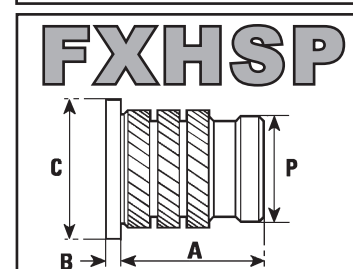
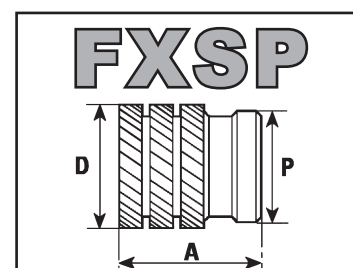
## THREADED INSERTS IN BRASS FXSP TYPE

### INSTALLATION BY ACTION PRESS

FXSP - FXHSP sono inserti in ottone, studiati per l'utilizzo nei termoindurenti. Le zigrinature permettono una grande resistenza alla torsione.

*FXSP - FXHSP are press-in brass inserts ideal for thermosetting materials. High torque resistance.*

Filetto interno Internal Thread	A	B	C	D	P	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	4,1	0,51	4,8	3,3	3	3,1	1,6
M 2,5	5,3	0,58	5,5	4,2	3,7	3,8	2,0
M 3	5,3	0,58	5,5	4,2	3,7	3,8	2,0
M 4	7,4	0,89	7,1	5,8	5,3	5,4	2,5
M 5	8,3	1,07	7,9	6,6	6,1	6,2	2,5
M 6	9,2	1,32	9,5	8,2	7,7	7,8	2,8
M 8	9,2	1,32	11,1	9,7	9,3	9,3	3,8
M 10	9,2	1,32	14,0	12,7	12,2	12,3	5,0



VERSIONE PRIGIONIERO A RICHIESTA  
STUD VERSION ON REQUEST

# BUSSOLE AUTOFILETTANTI TIPO FXSCT

## INSERIMENTO CON UTENSILE MANUALE O CON MASCHIATRICE

### THREADED INSERTS SELF-TAPPING FXSCT TYPE

#### INSTALLATION WITH HAND TOOL OR TAPPING MACHINE

Le bussole autofilettanti FXSCT e FXHSCT vengono avvitate sia su termoplastici sia su termoindurenti.

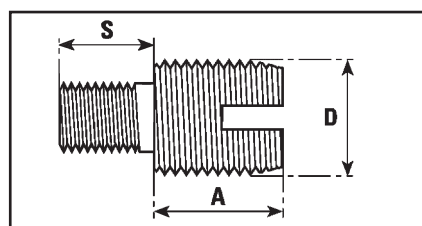
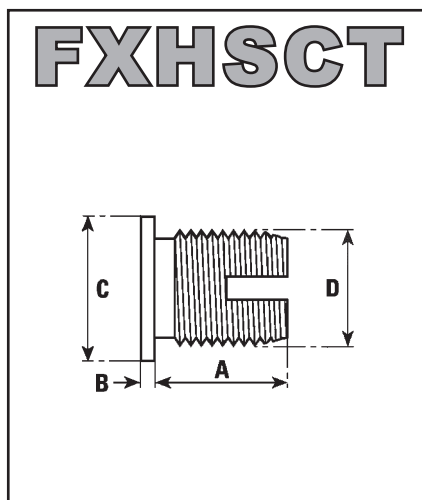
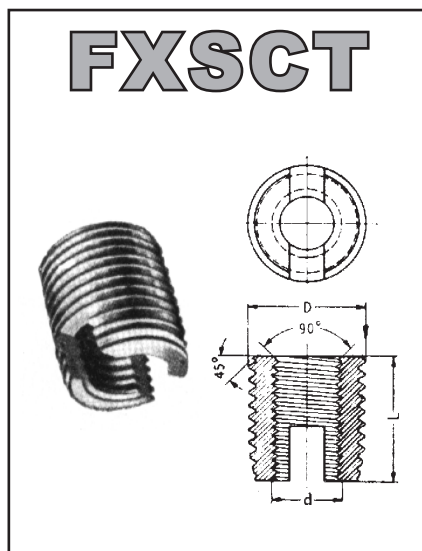
E' ottima la loro tenuta al taglio ed alla trazione.

Disponibili in ottone, in acciaio temprato ed in inox.

*FXSCT and FXHSCT are self tapping inserts suitable for thermoplastics and thermosetting materials.*

*High pull-out resistance.*

*Available in brass, steel hardened or stainless steel.*



VERSIONE PRIGIONIERO A RICHIESTA  
STUD VERSION ON REQUEST

FILETTO INTERNO <i>Internal Thread</i>	d Filetto int. <i>Internal Thread</i>	D Filetto est. <i>External Thread</i>	Ø indicativi di foratura* <i>Rec. hole size</i>	Profondità min. del foro <i>Min. depth hole</i>	L	B	C
M 2,5	2,5 x 0,45	4,5 x 0,5	4,0 - 4,3	8,0	6,0	0,58	6,0
M 3	3,0 x 0,5	5,0 x 0,5	4,5 - 4,8	8,0	6,0	0,58	6,5
M 4	4,0 x 0,7	6,5 x 0,75	5,8 - 6,2	10,0	8,0	0,89	8,0
M 5	5,0 x 0,8	8,0 x 1,0	7,1 - 7,6	13,0	10,0	1,06	9,5
M 6A	6,0 x 1,0	9,0 x 1,0	8,1 - 8,6	15,0	12,0	1,32	12,5
M 6	6,0 x 1,0	10,0 x 1,5	8,6 - 9,4	17,0	14,0	1,32	14,0
M 8	8,0 x 1,25	12,0 x 1,25	10,6 - 11,4	18,0	15,0	1,57	16,0
M 10	10,0 x 1,5	14,0 x 1,5	12,6 - 13,4	22,0	18,0	1,57	18,0
M 12	12,0 x 1,75	16,0 x 1,5	14,6 - 15,4	26,0	22,0	-	-
M 14	14,0 x 2,0	18,0 x 1,5	16,6 - 17,4	28,0	24,0	-	-
M 16	16,0 x 2,0	20,0 x 1,5	18,6 - 19,4	27,0	22,0	-	-

\* La scelta del Ø di foratura dipende dalla durezza del materiale di base.

\* Hole diameter will vary with the type of plastic material used.





















# GUIDA ALLA SCELTA DELL'INSERTO

## INSERT SELECTOR CHART

# 5

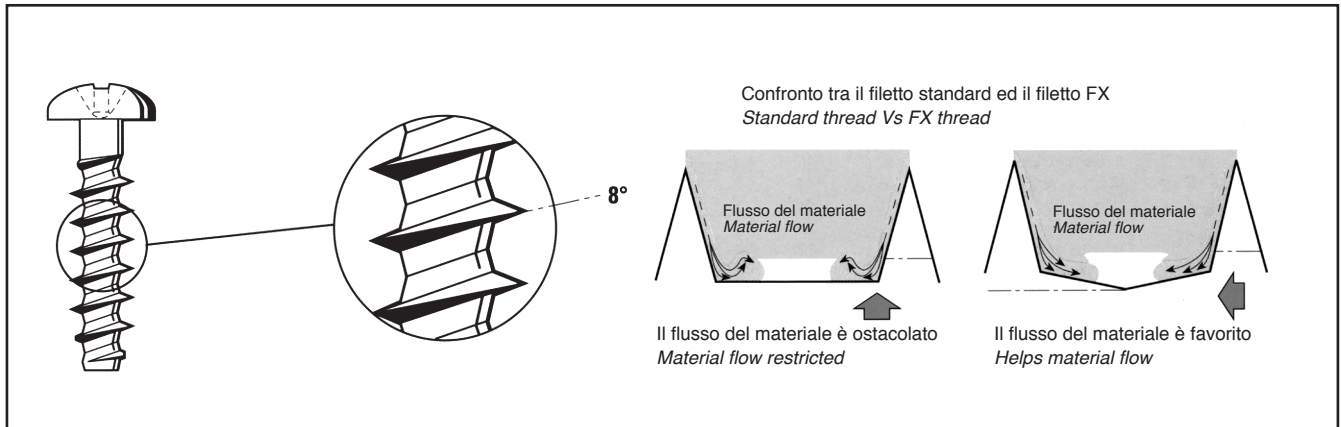
9.16

Caratteristiche del materiale Material Characteristics	FXSL 	FXTC 	FXHL 	FXFL 	FXPLK 	FXBL 	FXFTC 	FXSP 	FXSCT 
Termoplastici duri Hard Thermoplastics PA - PPS - PBT - PC/ABS	<b>OK</b>	<b>OK</b>	+/-	NO	NO	NO	<b>OK</b>	NO	+/-
Termoplastici medi Medium Thermoplastics ABS - PA - POM - PVC	<b>OK</b>	<b>OK</b>	+/-	<b>OK</b>	<b>OK</b>	NO	<b>OK</b>	NO	<b>OK</b>
Termoplastici teneri Soft Thermoplastics PP - PE - HDPE	<b>OK</b>	<b>OK</b>	NO	<b>OK</b>	<b>OK</b>	NO	<b>OK</b>	NO	<b>OK</b>
Termoplastici amorfi Amorphous Thermoplastics PPO - PC	OK caldo OK heat No ultrasuoni No ultrasinics	OK caldo OK heat No ultrasuoni No ultrasinics	<b>OK</b>	NO	NO	NO	<b>OK</b>	NO	NO
Termoindurenti Thermosetting	NO	NO	NO	NO	NO	<b>OK</b>	<b>OK</b>	<b>OK</b>	+/-
Poliesteri termoindurenti Thermosetting polyester SMC - DMC - BMC	NO	NO	NO	NO	NO	NO	<b>OK</b>	+/-	+/-
Schiume termoplastiche Foams thermoplastics	+/-	+/-	+/-	NO	NO	NO	<b>OK</b>	NO	<b>OK</b>
Schiume termoindurenti Foams thermosetting	NO	NO	NO	NO	NO	NO	<b>OK</b>	NO	<b>OK</b>

Dati tecnici Performance data	FXSL 	FXTC 	FXHL 	FXFL 	FXPLK 	FXBL 	FXFTC 	FXSP 	FXSCT 
Trazione Pull-out	<b>OK</b>	<b>OK</b>	<b>OK</b>	+/-	+/-	+/-	<b>OK</b>	+/-	<b>OK</b>
Coppia diretta Direct torque	<b>OK</b>	<b>OK</b>	<b>OK</b>	+/-	+/-	+/-	<b>OK</b>	<b>OK</b>	NO

# VITI PER PLASTICA TIPO FX

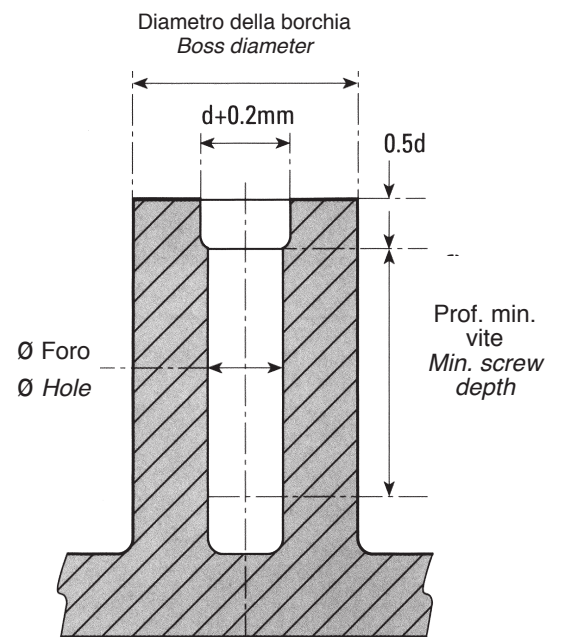
## SCREWS FOR PLASTICS FX TYPE



### GUIDA ALLA PROGETTAZIONE

#### DESIGN RECOMMENDATION

MATERIALE MATERIAL	Ø foro Ø Hole	Ø borchia Ø boss	Prof. min. vite Min. screw depth
ABS	0,8 d	2 d	2 d
Miscela ABS / PC	0,8 d	2 d	2 d
ASA	0,78 d	2 d	2 d
PA 4.6	0,73 d	1,85 d	1,8 d
PA 4.6 - GF 30	0,78 d	1,85 d	1,8 d
PA 6	0,75 d	1,85 d	1,7 d
PA 6 - GF 30	0,8 d	2 d	1,9 d
PA 6.6	0,75 d	1,85 d	1,7 d
PA 6.6 - GF 30	0,82 d	2 d	1,8 d
PBT	0,75 d	1,85 d	1,7 d
PBT - GF 30	0,8 d	1,8 d	1,7 d
PC	0,85 d	2,5 d	2,2 d
PC - GF 30	0,85 d	2,2 d	2,0 d
LOPE	0,7 d	2 d	2 d
HDPE	0,75 d	1,8 d	1,8 d
PET	0,75 d	1,85 d	1,7 d
PET - GF 30	0,8 d	1,8 d	1,7 d
PMMA	0,85 d	2 d	2 d
POM	0,75 d	1,95 d	2 d
PP	0,7 d	2 d	2 d
PP - TF 20	0,72 d	2 d	2 d
PPO	0,85 d	2,5 d	2,2 d
PS	0,8 d	2 d	2 d
PVC (hard)	0,8 d	2 d	2 d
SAN	0,77 d	2 d	1,9 d
PPS	contattare contact	FIXI FIXI	



$d$  = Diametro nominale esterno del filetto  
compresa la conicità di 1° del foro  
 $d$  = Nominal external thread dia. hole taper 1° inclusive

<b>DIAMETRO NOMINALE</b> <i>NOMINAL DIAMETER</i>		1,8	2,2	2,5	3,0	3,5	4,0	5,0	6,0	7,0	10,0		
	d	1,8	2,2	2,5	3,0	3,5	4,0	5,0	6,0	7,0	10,0		
	R	1,04	1,25	1,40	1,66	1,91	2,17	2,68	3,19	3,70	5,23		
	P	0,80	0,98	1,12	1,34	1,57	1,79	2,24	2,69	3,14	4,49		
<b>Testa tonda con flangia</b> <i>Flange head</i> 	<b>A PHILLIPS</b>		HD	4,4	5,0	6,0	7,0	8,0	10,0	12,0	14,0		
	<b>B POZI</b>		H	1,6	1,8	2,1	2,4	2,5	3,2	4,0	4,6		
			S	0,5	0,6	0,7	0,8	0,9	1,0	1,3	1,5		
			N.	1	1	1	2	2	2	3	3		
			N.	1	1	1	2	2	2	3	3		
	<b>C TX</b>		HD	4,5	5,0	6,0	7,0	8,0	10,0	12,0	14,0	20,0	
			H	1,4	1,5	2,1	2,4	2,6	3,3	3,6	4,2	5,5	
			S	0,5	0,5	0,6	0,7	0,8	1,0	1,2	1,4	2,0	
			N.	T6	T6	T10	T10	T20	T20	T25	T30	T40	
			X Max	0,9	1,1	1,3	1,5	1,8	2,0	2,5	3,0	3,5	5,0
<b>Testa tonda</b> <i>Pan head</i> 	<b>A PHILLIPS</b>		HD	3,6	3,9	4,4	5,3	6,1	7,0	8,8	10,5	12,3	
	<b>B POZI</b>		H	1,5	1,5	1,7	2,0	2,5	2,7	3,4	4,0	4,5	
			N.	0	1	1	1	2	2	2	3	3	
			N.	0	1	1	1	2	2	2	3	3	
	<b>C TX</b>		HD	3,6	4,0	4,2	5,6	6,9	7,5	8,2	10,8	12,5	16,0
			H	1,3	1,4	1,6	2,1	2,3	2,6	2,9	3,8	4,4	6,0
			N.	T6	T6	T7	T10	T10	T20	T20	T25	T30	T40
			X Max	0,9	1,1	1,3	1,5	1,8	2,0	2,5	3,0	3,5	5,0
	<b>Testa svasata</b> <i>Countersunk head</i> 	<b>A PHILLIPS</b>		HD	3,4	3,8	4,7	5,5	7,3	8,4	9,3	11,3	13,6
		<b>B POZI</b>		F	0,20	0,25	0,30	0,35	0,40	0,45	0,50	0,55	0,60
<b>C TX</b>		Y Max	0,5	0,6	0,7	0,75	1,00	1,00	1,25	1,50	1,75		
		N.	0	1	1	1	2	2	2	2	3		
		N.	0	1	1	1	2	2	2	2	3		
		N.	T6	T6	T8	T8	T15	T20	T20	T30	T40		

## IMPRONTE STANDARD STANDARD RECESS STYLES



A PHILLIPS



B POZI



C TX

Diam. nominale "Ø" (mm)	1,80	2,20	2,50	3,00	3,50	4,00	5,00	6,00	7,00	10,00
Lunghezza "L" (mm)										
4 ± 0,39										
5 ± 0,38										
6 ± 0,38										
7 ± 0,45										
8 ± 0,45										
10 ± 0,45										
12 ± 0,55										
14 ± 0,55										
16 ± 0,55										
18 ± 0,55										
20 ± 0,65										
25 ± 0,65										
30 ± 0,65										
35 ± 0,80										
40 ± 0,80										
50 ± 0,80										
60 ± 0,95										
70 ± 0,95										
80 ± 0,95										
90 ± 0,95										
100 ± 0,95										



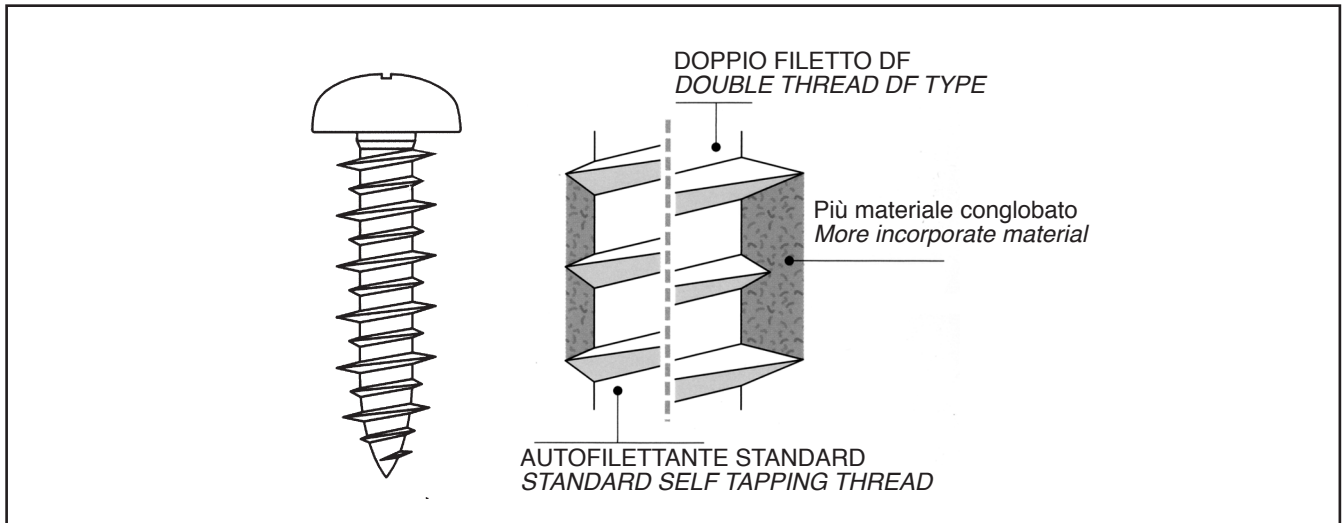
Lunghezze non standard  
Non standard lengths



Lunghezze standard  
Standard lengths

# VITI PER PLASTICA TIPO DF

## SCREWS FOR PLASTICS DF TYPE

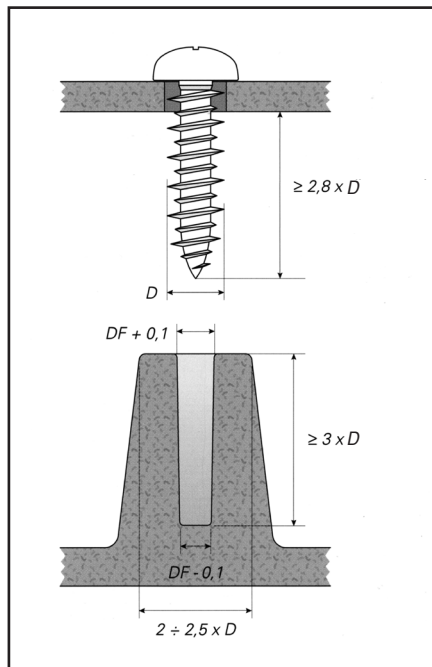



Riduzione fino al 50% del tempo di avvitamento.  
Ottima resistenza allo strappo.

*Reduction installation time until 50%.  
High torque resistance.*

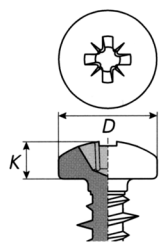
### GUIDA ALLA PROGETTAZIONE

#### DESIGN RECOMMENDATION



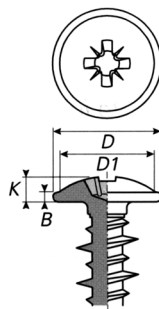
D	DF Materiali termoplastici Thermoplastics materials	DF Materiali termoindurenti Thermosetting materials	 Nm
3	2,1 / 2,4	2,4 / 2,7	0,7
3,5	2,45 / 2,80	2,80 / 3,15	1
4	2,80 / 3,2	3,2 / 3,6	1,4
4,5	3,15 / 3,6	3,6 / 4,05	1,9
5	3,5 / 4	4 / 4,5	2,9
5,5	3,85 / 4,4	4,4 / 4,95	4,3
6	4,2 / 4,8	4,8 / 5,4	6
7	4,9 / 5,6	5,6 / 6,3	10,3

Diametro nominale / Nominal diameter	3,0	3,5	4,0	4,5	5,0	5,5	6,0	7,0
PZ / PH	1	1	2	2	2	2	3	3
TX	8	10	15	15	20	25	25	30
Lung. Max / Max Length	20	25	30	30	35	40	45	50



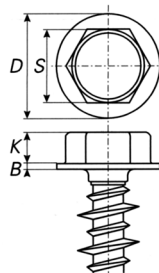
### TESTA CILINDRICA / PAN HEAD

D	max	4.90	5.60	6.90	7.50	8.20	9.50	10.80	12.50
	min	4.60	5.30	6.54	7.14	7.84	9.14	10.37	12.07
K	max	2.00	2.20	2.60	2.80	3.05	3.55	3.95	4.55
	min	1.75	1.95	2.35	2.55	2.75	3.25	3.65	4.25



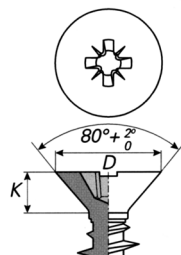
### TESTA TONDA CON FLANGIA / FLANGE HEAD

D	max	6.60	7.40	8.80	9.50	10.30	11.50	13.00	15.00
	min	6.24	7.04	8.44	9.14	9.87	11.07	12.57	14.57
D1	max	4.90	5.60	6.90	7.50	8.20	9.50	10.80	12.50
	min	4.60	5.30	6.54	7.14	7.84	9.14	10.37	12.07
K	max	2.00	2.20	2.60	2.80	3.05	3.55	3.95	4.55
	min	1.75	1.95	2.35	2.55	2.75	3.25	3.65	4.25
B	max	0.72	0.82	0.92	1.02	1.12	1.22	1.32	1.52
	min	0.47	0.57	0.67	0.77	0.87	0.97	1.07	1.27



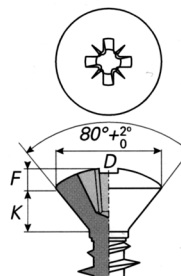
### TESTA ESAGONALE CON FLANGIA / HEXAGON FLANGE HEAD

S	max	-	5.00	5.50	7.00	7.00	8.00	8.00	10.00
	min	-	4.82	5.32	6.78	6.78	7.78	7.78	9.78
D	max	-	6.50	7.21	9.18	9.73	10.61	11.08	13.66
	min	-	6.02	6.61	8.46	9.01	9.85	10.20	12.80
K	max	-	1.87	2.67	2.67	3.17	3.42	4.45	5.25
	min	-	1.62	2.42	2.42	2.92	3.12	4.15	4.95
B	max	-	0.50	0.54	0.80	0.78	0.78	0.99	1.33
	min	-	0.28	0.32	0.47	0.48	0.48	0.55	0.79



### TESTA SVASATA PIANA / COUNTERSUNK HEAD

D	max	4.90	5.50	6.80	7.50	8.10	9.50	10.80	12.40
	min	4.60	5.20	6.44	7.14	7.74	9.14	10.37	11.97
K		1.5	1.7	2.1	2.3	2.5	3.0	3.4	3.8



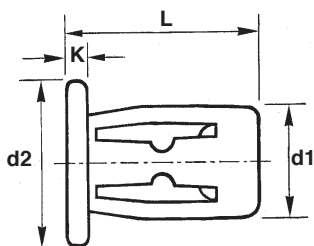
### TESTA SVASATA A CALOTTA / RAISED COUNTERSUNK HEAD

D	max	4.90	5.50	6.80	7.50	8.10	9.50	10.80	12.40
	min	4.60	5.20	6.44	7.14	7.74	9.14	10.37	11.97
K		1.5	1.7	2.1	2.3	2.5	3.0	3.4	3.8
F		0.6	0.9	1.2	1.3	1.4	1.5	1.7	2.0

# INSERTI FILETTATI SPECIALI

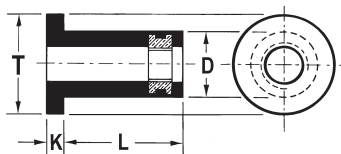
## SPECIAL THREADED INSERTS

### JACKFIX

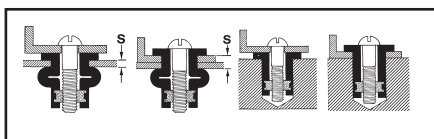





CODICE Code	Filetto	S Spess. Serr.	d1	Ø foro Hole	d2	K	L
JF 4 C	M4	0,4 - 4,7	8,1	8,2	11,9	1,8	16,6
JF 4 L		4,7 - 9,5					21,4
JF 5 C	M5	0,4 - 4,7	9,7	9,8	13,5	1,8	18,2
JF 5 L		4,7 - 9,5					22,6
JF 6 C	M6	0,4 - 4,7	11,2	11,3	15,9	1,8	18,6
JF 6 M		4,7 - 9,5					23,4
JF 6 L		9,5 - 12,7					27,8

### RN



NEOPRENE  
NEOPRENE









CODICE Code		S	D		T	K	L	 Nm
RN 314	M3	0,4 - 4	7,9	8 - 8,3	11	1,4	12,6	0,36
RN 414	M4	0,4 - 4	7,9	8 - 8,3	11	1,4	12,6	0,35
RN 515 RN 527 RN 541	M5	0,4 - 4,9	9,6	9,7 - 9,9	12,7	0,9	14,1	0,54
		7,9 - 16			14	1,3	26,1	0,35
		20,5 - 30			14	1,3	39,8	1,14
RN 617 RN 626 RN 628	M6	0,4 - 2,8	12,7	12,8 - 13	16	1,3	16	1,13
		0,8 - 4,7			17,5	4,7	21,1	1,69
		6,4 - 11,5			16,3	1,3	26,7	1,13
RN 822 RN 834 RN 852	M8	0,4 - 4,0	15,9	16,0 - 16,2 18,1 - 18,3	22,1	3,2	18,3	2,82
		3,9 - 9,5	15,9		22,1	5,7	27,9	-
		19,5 - 32,0	18,0		20	1,6	50	-

# RIVETTI PER MATERIE PLASTICHE

## BLIND RIVETS FOR PLASTIC MATERIALS

# 5

15.16

D	L	T	K	Ø foro hole		CODICE Code		
3,2	8	6	0,8	3,5		FA3208TT	700 N	765 N
	10					FA3210TT		
	12					FA3212TT		
4,0	10	8	1,2	4,3		FA4010TT	1150 N	1260 N
	12					FA4012TT		
	16					FA4016TT		
	20					FA4020TT		
	24					FA4024TT		
	30					FA4030TT		
4,8	10	10	1,3	5,2		FA4810TT	2400 N	2200 N
	12					FA4812TT		
	14					FA4814TT		
	16					FA4816TT		
	20					FA4820TT		
	24					FA4824TT		
	30					FA4830TT		
	35					FA4835TT		
	40					FA4840TT		
	45					FA4845TT		
	50					FA4850TT		

## FA - TT

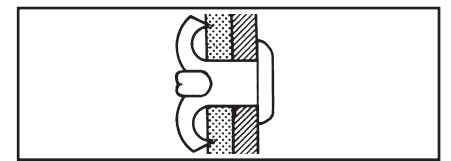
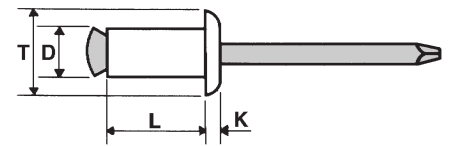
### TESTA TONDA DOME HEAD



boccola / body

alluminio / aluminium

mandrino / mandrel

acciaio zincato / steel zinc plated



4,0	13,6	8	1,4	4,3		ALSOF4014TT	800 N	500 N
	18,8					ALSOF4019TT		
4,8	15,3	9,6	1,6	5,1		ALSOF4815TT	1100 N	900 N
	20,5					ALSOF4821TT		
	24,5					ALSOF4825TT		

## AL-SOF - TT

### TESTA TONDA DOME HEAD

boccola / body

alluminio / aluminium

mandrino / mandrel

alluminio / aluminium

