

5

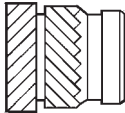
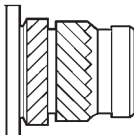
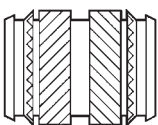
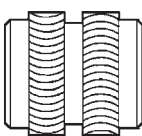
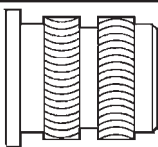
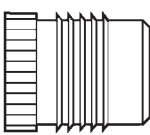
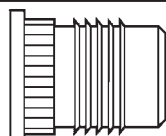
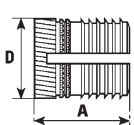
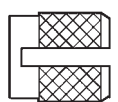
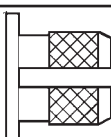
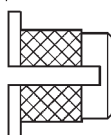


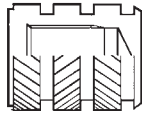
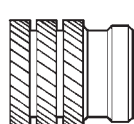
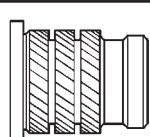
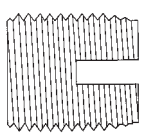
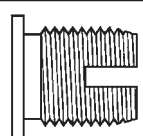
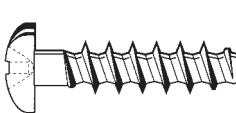
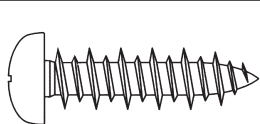
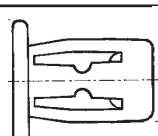
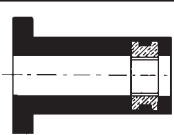
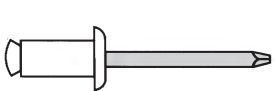
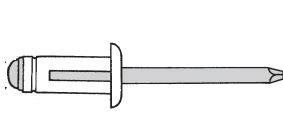
**FISSAGGI PER
MATERIE PLASTICHE**
FASTENERS FOR PLASTICS

FIXI

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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.

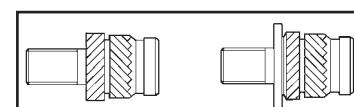
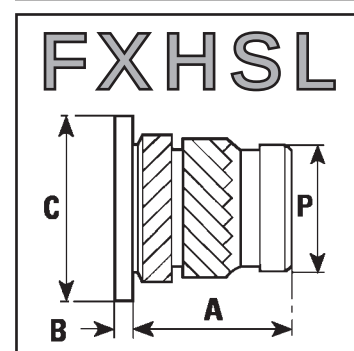
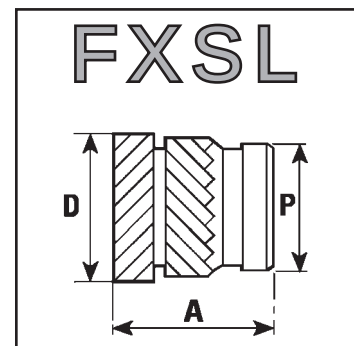
Le godronature invertite ne garantiscono un'ottima tenuta alla trazione ed alla rotazione. Possono anche essere inseriti in costampaggio.

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	4*	0,61	5,5	4,6	3,9	4,0	1,6
M 3	4,8*	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	4,8*	0,91	7,1	6,3	5,5	5,6	2,1
M 4	5,8*	0,91	7,1	6,3	5,5	5,6	2,1
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 DIFFERENTI / AVAILABLE DIFFERENT LENGTHS



VERSIONE PRIGIONIERO A RICHIESTA
STUD VERSION ON REQUEST

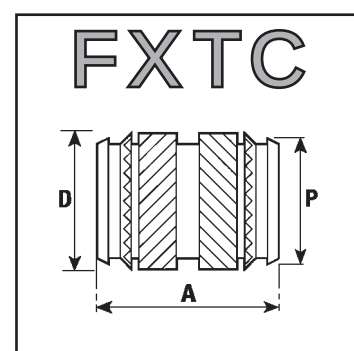
FXTC è un inserto filettato in ottone con le stesse caratteristiche di tenuta del FXSL.

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 or 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



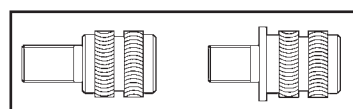
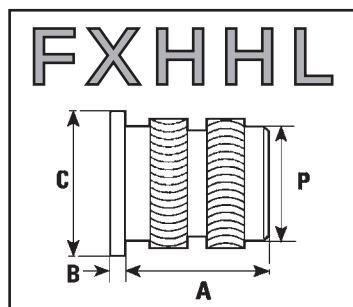
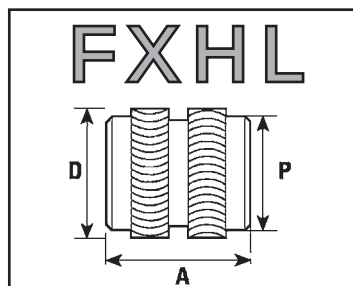
INSERIMENTO A CALDO
INSTALLATION USING HEAT

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 amorf, 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.

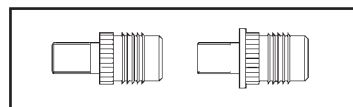
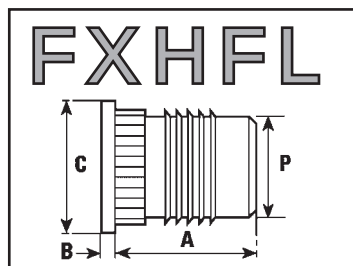
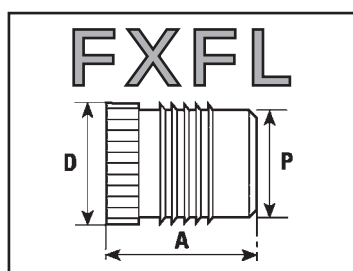
Filetto interno Internal Thread	A	B	C	D	P	Ø foro Ø hole - 0,00 + 0,10	Spess. minimo parete Min. wall thickness
M 2	3,9	0,51	4,8	3,5	3,1	3,2	1,4
M 2,5	5,8	0,58	5,5	4,4	3,9	4,0	1,8
M 3	5,8	0,58	5,5	4,4	3,9	4,0	1,8
M 4	8,1	0,89	7,1	6,1	5,5	5,6	2,4
M 5	9,5	1,07	7,9	6,9	6,3	6,4	2,8
M 6	12,7	1,32	9,5	8,5	7,9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

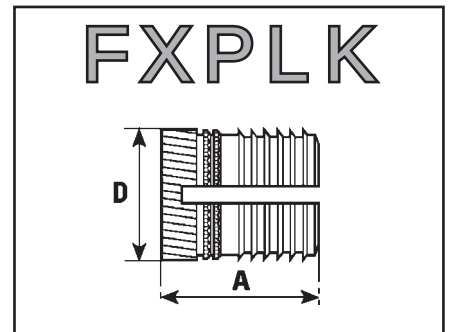
FXPLK é un inserto in ottone, per l'installazione rapida su materiali termoplastici teneri e medi.

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

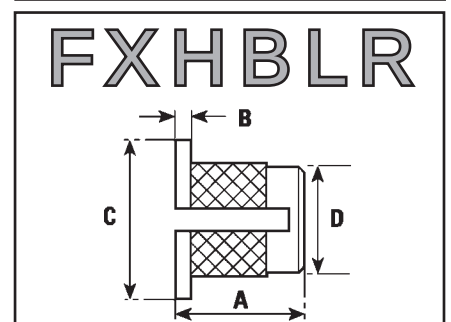
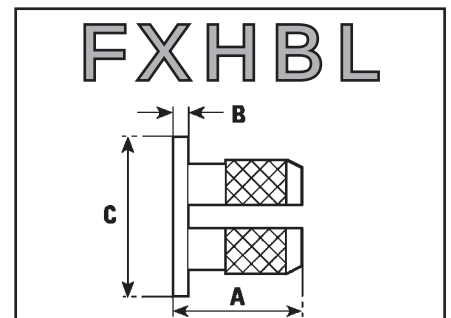
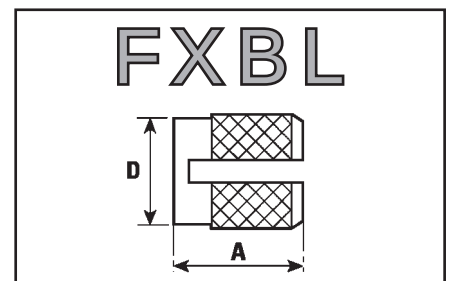
INSTALLATION BY ACTION PRESS

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

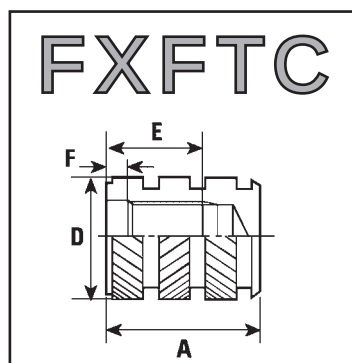
INSERIMENTO COSTAMPAGGIO

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.

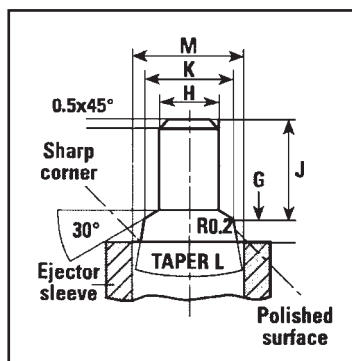
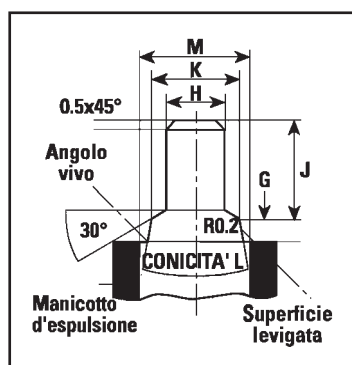


Filetto interno Internal Thread	A *	D	E min.	F
M 2	5,5	3,4	3,6	1,0
M 2,5	6,4	4,3	4,0	1,2
M 3	7,3	4,7	4,6	1,3
M 4	10,2	6,3	6,7	1,8
M 5	11,2	7,3	7,4	2,0
M 6	14,4	9,8	8,1	2,0
M 8	16,5	11,4	11,1	2,3
M 10	17,9	13,8	11,9	2,4

* 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

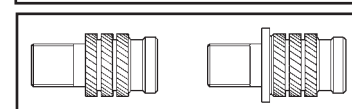
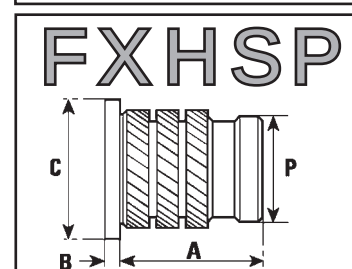
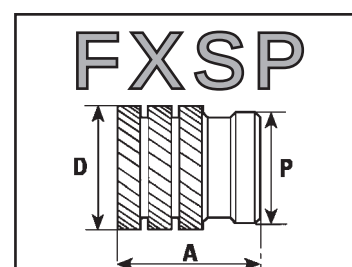
THREADED INSERTS IN BRASS FXSP TYPE

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. Higt 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.

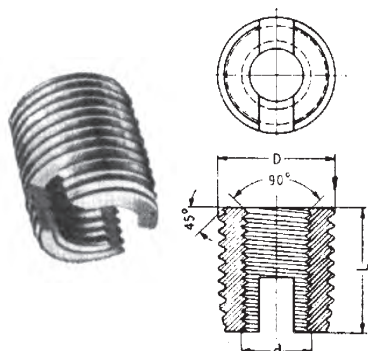
Disponibili in ottone, in acciaio temprato ed in inox.

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

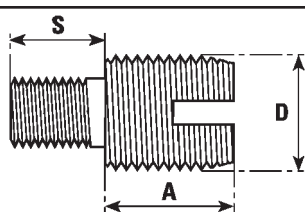
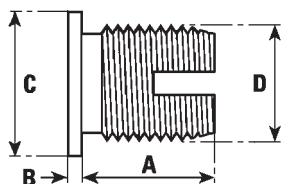
High pull-out resistance.

Available in brass, steel hardened or stainless steel.

FXSCT



FXHSCT



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 1,50	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

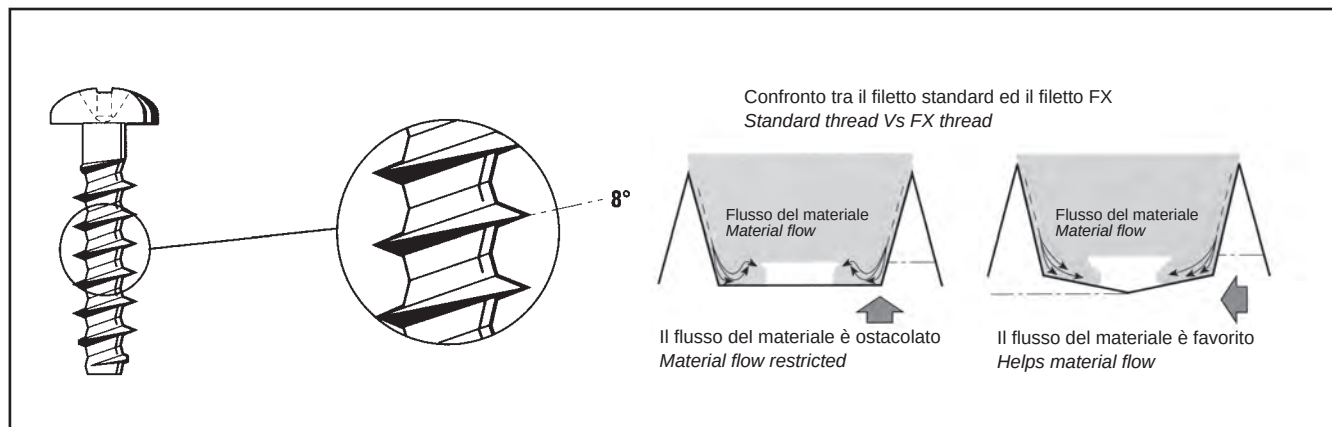
INSERT SELECTOR CHART

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

Dati tecnici Performance data	FXSL 	FXTCL 	FXHL 	FXFL 	FXPLK 	FXBL 	FXFTCL 	FXSP 	FXSCT 
Trazione Pull-out	OK	OK	OK	+/-	+/-	+/-	OK	+/-	OK
Coppia diretta Direct torque	OK	OK	OK	+/-	+/-	+/-	OK	OK	NO

VITI PER PLASTICA TIPO FX

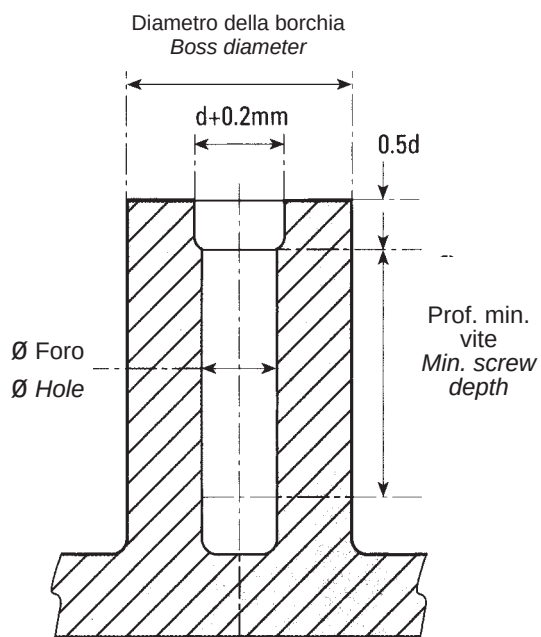
SCREWS FOR PLASTICS FX TYPE



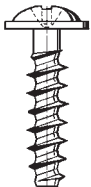
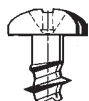
GUIDA ALLA PROGETTAZIONE

DESIGN RECOMMENDATION

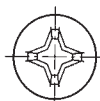
MATERIALE MATERIAL	Ø foro Ø Hole	Ø borchia Ø boss	Prof. min. vite Min. screw depth
ABS	0,8 d	2 d	2 d
Miscela ABS / PC	0,8 d	2 d	2 d
ASA	0,78 d	2 d	2 d
PA 4.6	0,73 d	1,85 d	1,8 d
PA 4.6 - GF 30	0,78 d	1,85 d	1,8 d
PA 6	0,75 d	1,85 d	1,7 d
PA 6 - GF 30	0,8 d	2 d	1,9 d
PA 6.6	0,75 d	1,85 d	1,7 d
PA 6.6 - 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	



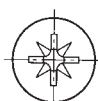
d = Diametro nominale esterno del filetto
compresa la conicità di 1° del foro
d = Nominal external thread dia. hole taper 1° inclusive

DIAMETRO NOMINALE NOMINAL DIAMETER		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	
Testa tonda con flangia Flange head 	A PHILLIPS B POZI	HD		4,4	5,0	6,0	7,0	8,0	10,0	12,0	14,0	
		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	
	C TX	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
	Testa tonda Pan head 	A PHILLIPS B POZI	HD	3,6	3,9	4,4	5,3	6,1	7,0	8,8	10,5	12,3
			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	
C TX			HD	3,6	4,0	4,2	5,6	6,9	7,5	8,2	10,8	12,5
		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
		Testa svasata Countersunk head 	A PHILLIPS B POZI C TX	HD	3,4	3,8	4,7	5,5	7,3	8,4	9,3	11,3
F				0,20	0,25	0,30	0,35	0,40	0,45	0,50	0,55	0,60
Y Max				0,5	0,6	0,7	0,75	1,00	1,00	1,25	1,50	1,75
A PHILLIPS B POZI C TX			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	

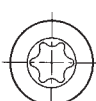
IMPRONTE STANDARD STANDARD RECESS STYLES



A PHILLIPS



B POZI



C TX

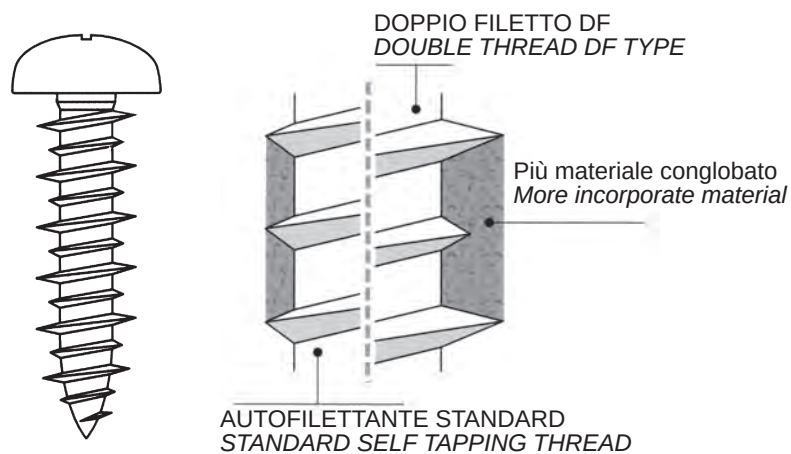
Diam. nominale "Ø" (mm)	1,80	2,20	2,50	3,00	3,50	4,00	5,00	6,00	7,00	10,00
Lunghezza "L" (mm)										
4 ± 0,39										
5 ± 0,38										
6 ± 0,38										
7 ± 0,45										
8 ± 0,45										
10 ± 0,45										
12 ± 0,55										
14 ± 0,55										
16 ± 0,55										
18 ± 0,55										
20 ± 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

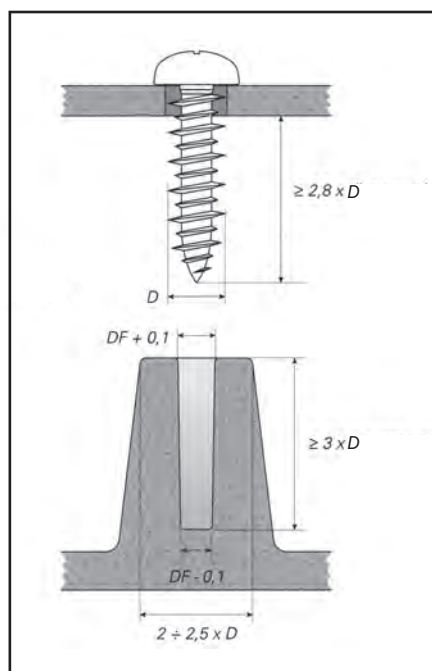


Riduzione fino al 50% del tempo di avvitamento.
Ottima resistenza allo strappo.

Reduction installation time until 50%.
High torque resistance.

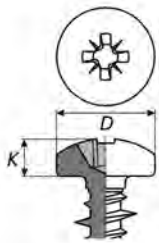
GUIDA ALLA PROGETTAZIONE

DESIGN RECOMMENDATION



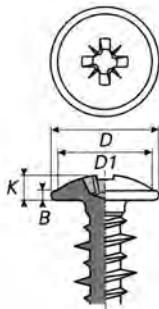
D	DF Materiali termoplastici Thermoplastics materials	DF Materiali termoindurenti Thermosetting materials	 Nm
3	2,1 / 2,4	2,4 / 2,7	0,7
3,5	2,45 / 2,80	2,80 / 3,15	1
4	2,80 / 3,2	3,2 / 3,6	1,4
4,5	3,15 / 3,6	3,6 / 4,05	1,9
5	3,5 / 4	4 / 4,5	2,9
5,5	3,85 / 4,4	4,4 / 4,95	4,3
6	4,2 / 4,8	4,8 / 5,4	6
7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



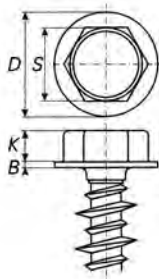
TESTA CILINDRICA / PAN HEAD

D max	4.90	5.60	6.90	7.50	8.20	9.50	10.80	12.50
D 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
K min	1.75	1.95	2.35	2.55	2.75	3.25	3.65	4.25



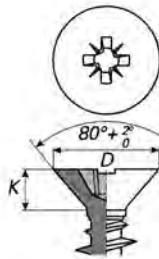
TESTA TONDA CON FLANGIA / FLANGE HEAD

D max	6.60	7.40	8.80	9.50	10.30	11.50	13.00	15.00
D 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
$D1$ 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
K 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
B min	0.47	0.57	0.67	0.77	0.87	0.97	1.07	1.27



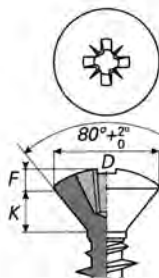
TESTA ESAGONALE CON FLANGIA / HEXAGON FLANGE HEAD

S max	-	5.00	5.50	7.00	7.00	8.00	8.00	10.00
S 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
D 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
K 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
B 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
D 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



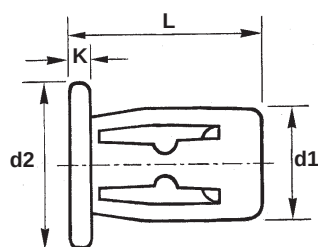
TESTA SVASATA A CALOTTA / RAISED COUNTERSUNK HEAD

D max	4.90	5.50	6.80	7.50	8.10	9.50	10.80	12.40
D 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

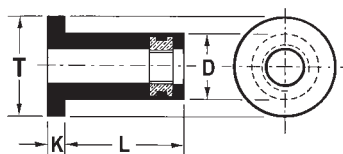
SPECIAL THREADED INSERTS

JACKFIX

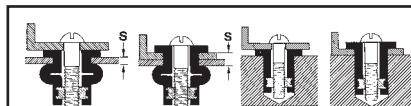


CODICE Code	Filetto	S Spess. Serr.	d1	Ø foro Hole	d2	K	L
JF 4 C	M4	0,4 - 4,7	8,1	8,2	11,9	1,8	16,6
JF 4 L		4,7 - 9,5					21,4
JF 5 C	M5	0,4 - 4,7	9,7	9,8	13,5	1,8	18,2
JF 5 L		4,7 - 9,5					22,6
JF 6 C	M6	0,4 - 4,7	11,2	11,3	15,9	1,8	18,6
JF 6 M		4,7 - 9,5					23,4
JF 6 L		9,5 - 12,7					27,8

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 7,9 - 16 20,5 - 30	9,6	9,7 - 9,9	12,7 14 14	0,9 1,3 1,3	14,1 26,1 39,8	0,54 0,35 1,14
RN 617 RN 626 RN 628	M6	0,4 - 2,8 0,8 - 4,7 6,4 - 11,5	12,7	12,8 - 13	16 17,5 16,3	1,3 4,7 1,3	16 21,1 26,7	1,13 1,69 1,13
RN 822 RN 834 RN 852	M8	0,4 - 4,0 3,9 - 9,5 19,5 - 32,0	15,9 15,9 18,0	16,0 - 16,2 18,1 - 18,3	22,1 22,1 20	3,2 5,7 1,6	18,3 27,9 50	2,82 - -

RIVETTI PER MATERIE PLASTICHE

BLIND RIVETS FOR PLASTIC MATERIALS

D	L	T	K	Ø foro hole		CODICE Code		
3,2	8	6	0,8	3,5	0,5 - 1	FA3208TT FA3210TT FA3212TT	700 N	765 N
	10				1 - 3			
	12				3 - 5			
4,0	10	8	1,2	4,3	1,5 - 5	FA4010TT FA4012TT FA4016TT FA4020TT FA4024TT FA4030TT	1150 N	1260 N
	12				3 - 6			
	16				6 - 10			
	20				10 - 14			
	24				14 - 18			
	30				18 - 24			
4,8	10	10	1,3	5,2	0,5 - 4	FA4810TT FA4812TT FA4814TT FA4816TT FA4820TT FA4824TT FA4830TT FA4835TT FA4840TT FA4845TT FA4850TT	2400 N	2200 N
	12				2 - 6			
	14				4 - 8			
	16				5 - 10			
	20				10 - 14			
	24				14 - 18			
	30				18 - 22			
	35				22 - 27			
	40				27 - 32			
	45				32 - 37			
	50				37 - 42			

FA - TT

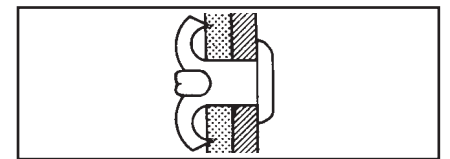
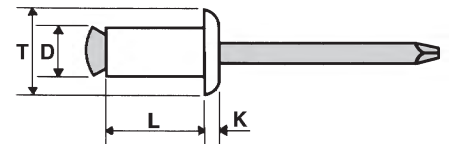
TESTA TONDA DOME HEAD

boccola / body

alluminio / aluminium

mandrino / mandrel

acciaio zincato / steel zinc plated



4,0	13,6 18,8	8	1,4	4,3	1 - 3 3 - 7	ALSO4014TT ALSO4019TT	800 N	500 N
4,8	15,3	9,6	1,6	5,1	1 - 3	ALSO4815TT ALSO4821TT ALSO4825TT	1100 N	900 N
	20,5				3 - 9			
	24,5				5 - 12			

AL-SOF - TT

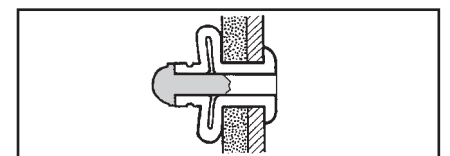
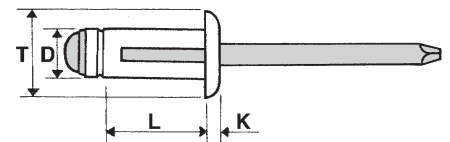
TESTA TONDA DOME HEAD

boccola / body

alluminio / aluminium

mandrino / mandrel

alluminio / aluminium



1



RIVETTI
A STRAPPO
BLIND RIVETS



2



INSERTI FILETTATI
THREADED INSERTS
BLINDNIETMUTTERN
INSERTS FILETÉS



3



AUTOFISSANTI
SELF CLINCHING FASTENERS



4



PERNI A SALDARE
WELDING STUDS



6



FILETTI RIPORTATI
WIRE INSERTS



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3V

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