

V-COIL

THREAD INSERT SYSTEM ■ ■ ■



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Kit Ripristina Filetti

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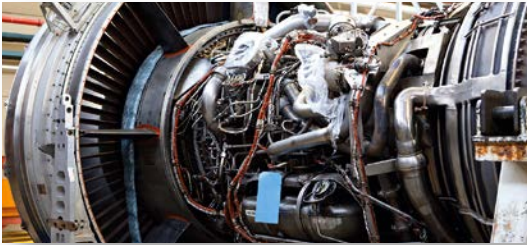
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COST EFFECTIVE REPAIR RATHER THAN EXPENSIVE REPLACEMENT MEGLIO RIPARARE IN MODO ECONOMICO CHE SOSTITUIRE CON COSTI PIÙ ELEVATI.



In the mechanical engineering and automotive sector damaged threads such as spark plugs, bolts, oil drain screw threads, oxygen sensor or exhaust mounts lead to costly and time-intensive item exchange. For parts with damaged or defective threads there is a second chance:

V-COIL Thread Insert System

Worn and damaged threads can be replaced by Inserts in just four steps. They are stronger and with the same nominal diameter as before.

- simple handling
- fast installation in just four steps
- even in difficult to reach places
- durable & high quality
- cost & time saving



Also used daily in the electrical, medical, and aerospace industry **as a preventive measure.**



Nel settore meccanico e automobilistico i filetti danneggiati di candele, bulloni passanti, tappi di scarico dell'olio, sonde Lambda o del supporto di scarico del tubo di scappamento comportano costose e lunghe sostituzioni. Per pezzi che riportano filetti logori, spanati o in genere danneggiati esiste una seconda opzione:

Sistema a inserti filettati V-Coil

Grazie all'impiego di assortimenti filettati e in sole 4 operazioni vecchi e logori filetti potranno essere completamente rigenerati tornano al vecchio diametro nominale di partenza.

- Facile utilizzo
- Facile sostituzione in sole 4 operazioni
- Per uso anche in luoghi ristretti
- Lunga durata e di elevata qualità
- Economico e veloce
- Soddisfacente per l'utilizzatore, il cliente e le macchine



Utilizzabile anche per il **rinforzo dei filetti** in campo elettrico, medico e aerospaziale



DRILLING

Clear the damaged thread with a Standard Drill. Up to M 12 (1/2") the KITS include the correct drill. To repair a spark plug thread no pre-drilling is necessary if using the special Spark Plug Tap. Please pay attention that for Fluteless Taps bigger holes are required.

CHECK

Check that thread and pitch of the tap and the bolt match.

TAPPING

Use the special V-COIL-Taps for cutting the holding thread into the cleared hole. It is recommended to use a suitable cutting oil.

INSTALL THE INSERT

Place insert on Installation Tool and position the adjustable ring so that the insert tang is centred in the tang slot. Wind the Insert in with a light downward pressure until a half turn below the surface. Don't work against thread direction as the tang could break.

TANG REMOVAL

After finishing lift the Installation Tool and use the Tang Break Tool to remove the tang. For bigger sizes and Spark Plug Taps use Long Nose Pliers to remove the tang.

Due to the narrow and exact tolerances the new thread normally is stronger than the original one.



FORATURA

Eliminare il filetto danneggiato con una punta normale. I nostri kit includono punte fino a M12 (1/2"). Nella sostituzione di una candela non è necessario eseguire la preforatura se si usa lo speciale attrezzo combinato per foratura e taglio. Nota bene: per i maschi per laminazione sono necessari fori più grandi.

CONTROLLI

Verificare che il maschio e il bullone abbiano lo stesso filetto e lo stesso passo.

FILETTO

Utilizzando gli speciali maschi V-COIL, tagliare il filetto di presa nel foro preforato. E' consigliabile l'uso di olio da taglio adeguato.

INTRODUZIONE DELL'INSERTO FILETTATO

Porre il filetto sull'attrezzo di inserimento e posizionare l'anello regolabile in modo che il perno di trascinamento si incastrerà nella sede dell'apertura. Avvitare quindi con una leggera pressione verso il basso fino a mezzo giro sotto la superficie. Non avvitare in senso opposto al filetto per evitare rotture del codolo.

ELIMINAZIONE DEL CODOLO

Una volta terminato l'inserimento del filetto, estrarre l'attrezzo di inserimento ed eliminare il perno di trascinamento con l'attrezzo rottura codolo. Nel caso di grandi dimensioni e di candele utilizzare pinze lunghe per rimuovere il codolo. Grazie alle tolleranze ridotte e precise, il nuovo filetto risulta normalmente più forte dell'originale.

Application:

Thread Armour Plating. For material with low shear strength eg. aluminum-alloys and magnesium alloys. Used in machine-building, electrical, automotive medical and aerospace industries.

Thread Repair of damaged or worn-out threads.

Recovery of rejected items.

Applicazioni:

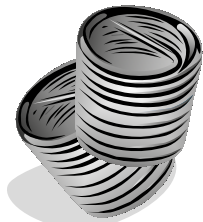
Rivestimento del filetto. Per materiali teneri, per es. Le leghe di alluminio e di magnesio. Utilizzati nella costruzione di macchine, nel settore elettrico, automobilistico, medico ed aerospaziale.

Riparazione di filetti danneggiati o usurati.

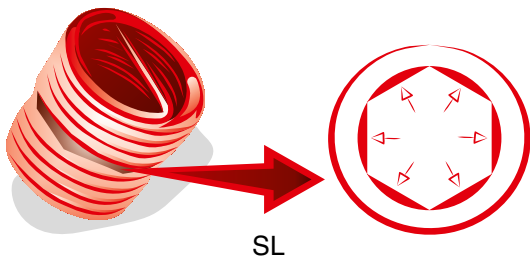
Recupero di pezzi di scarto.



WIRE THREAD INSERTS FILETTI RIPORTATI



S



SL

Manufactured from high quality chromium nickel stainless steel, V-Coil inserts provide high strength internal threads that resist the effects of temperature and corrosion.

Their unique design ensures superior threads whose compound performance cannot be reproduced by any other single fastening method.

Available in two basic forms, free running or screw locking, they are much lighter and less expensive than any other equivalent type of thread insert and because of their compact size they can generally be incorporated into existing designs where no previous provision has been made.

Free Running - Type "S"

Produced from precision profiled austenitic stainless steel wire wound into a helical spiral, V-Coil free running inserts have a spring like appearance. When installed, using any one of a variety of manual or automatic tools, they provide strong permanent internal threads which resist head and corrosion. Once fitted, their position is maintained by the action of radial pressure between their coils and the flanks of the tapped hole. This pressure exists because their free diameter is larger, by a calculated amount, than their installed diameter.

Screw Locking - Type "SL"

Screw locking (or prevailing torque) inserts are of particular value in applications subject to the effects of cyclic vibration or impact. In addition to the benefits afforded by free running inserts, V-Coil screw locking inserts offer the additional security of prevailing locking torque. This is achieved by the action of one or more polygonal grip coils positioned within the insert's length, which exert radial pressure on the male thread. Each grip coil consists of a number of tangential locking chords which protrude inside the minor diameter of the normal free running coils. As the male thread passes through these grip coils, the locking flats are displaced thus exerting radial pressure or prevailing torque on the male thread. On removal of the male thread, the locking coils relax to their original form permitting repeated assembly whilst retaining a measurable level of prevailing torque.

Note: It is recommended that only close fit plated or lubricated bolts or screws are used with screw locking inserts.

I filetti V-COIL, costruiti con acciaio inox al nichelcromo, sono filetti interni estremamente robusti, resistenti agli effetti della temperatura e della corrosione.

Il design unico garantisce filetti di qualità superiore le cui prestazioni combinate non sono imitabili da nessun altro metodo di fissaggio singolo.

Disponibili in due formati, a scorrimento libero o autofrenanti, i filetti V-COIL sono molto più leggeri e convenienti di qualsiasi altro tipo equivalente di filetto riportato.

Filetti a scorrimento libero - "free running"

Prodotti da profilato di precisione in acciaio inox austenitico avvolti a spirale elicoidale, i filetti riportati V-COIL hanno l'aspetto di una molla. Una volta inseriti usando un attrezzo a scelta da una selezione di utensili manuali o automatici, essi sono filetti permanenti interni resistenti al calore e alla corrosione. Quando sono posizionati, la loro posizione è mantenuta dall'azione della pressione radiale fa le bobine e i fianchi del foro filettato. Questa pressione è data dal loro diametro libero che è maggiore, di una misura calcolata, rispetto al diametro installato.

Filetti autofrenanti - "screw locking"

I filetti autofrenanti (o con coppia prevalente) sono particolarmente validi nelle applicazioni soggette a vibrazioni cicliche o a impatti. Oltre ai vantaggi garantiti dai filetti a scorrimento libero, i filetti autofrenanti V-COIL offrono inoltre la sicurezza della coppia frenante prevalente. Questo grazie all'azione di uno o più bobine di presa poligonali collocate sulla lunghezza dei filetti che esercitano una pressione radiale sul filetto maschio. Ciascuna bobina di presa è composta da un numero di filature di blocco che sporgono entro il diametro inferiore delle normali bobine a scorrimento libero. Quando il filetto maschio passa attraverso queste bobine di presa, si spostano i locking flats, esercitando una pressione radiale o coppia prevalente sul filetto maschio. Rimuovendo il filetto maschio, le bobine di presa tornano alla loro forma originale permettendo il montaggio ripetuto mantenendo un livello misurabile di coppia prevalente.

Nota: con i filetti autofrenanti si raccomanda l'uso esclusivo di bulloni o viti close fit plated o lubrificati.



WIRE THREAD INSERTS FILETTI RIPORTATI

	Typ S	Typ SL	Typ SP	Typ LS
M / MF	8 - 9	13	14	14
UNC	10			
UNF	10			
UNx8	11			
BSW	12			
BSF	12			
G (BSP)	9			
Refill Pack Confezioni ricarica	15 - 17			



Wire Thread Inserts - Type "S"


"free running", stainless steel

Filetti Riportati - tipo standard

scorrimento libero, di acciaio inox




DIN 8140 Tol. ISO 2 (6H)

Nominal Diameter D		1,0 D		1,5 D		2,0 D		2,5 D		3,0 D	
		Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece
M 2 x 0.4	100	07202	0,47	07302	0,61	07402	0,71	07502	0,80	07602	1,00
M 2.2 x 0.45	100	07203	0,47	07303	0,61	07403	0,71	07503	0,80	07603	1,00
M 2.5 x 0.45	100	07204	0,14	07304	0,15	07404	0,16	07504	0,19	07604	0,23
M 3 x 0.5	100	07205	0,14	07305	0,15	07405	0,16	07505	0,19	07605	0,23
M 3.5 x 0.6	100	07206	0,16	07306	0,17	07406	0,18	07506	0,21	07606	0,25
M 4 x 0.7	100	07207	0,14	07307	0,15	07407	0,16	07507	0,19	07607	0,21
M 5 x 0.8	100	07208	0,16	07308	0,13	07408	0,18	07508	0,22	07608	0,26
M 6 x 1.0	100	07209	0,17	07309	0,14	07409	0,21	07509	0,25	07609	0,31
M 7 x 1.0	100	07210	0,19	07310	0,23	07410	0,25	07510	0,30	07610	0,36
M 8 x 1.25	100	07211	0,18	07311	0,18	07411	0,25	07511	0,30	07611	0,36
M 8 x 1.0	100	07212	0,21	07312	0,21	07412	0,27	07512	0,32	07612	0,39
M 9 x 1.25	100	07213	0,25	07313	0,34	07413	0,34	07513	0,37	07613	0,44
M 10 x 1.5	100	07215	0,23	07315	0,25	07415	0,29	07515	0,35	07615	0,42
M 10 x 1.25	100	07216	0,23	07316	0,25	07416	0,29	07516	0,35	07616	0,42
M 10 x 1.0	100	07217	0,23	07317	0,25	07417	0,29	07517	0,35	07617	0,42
M 11 x 1.5	100	07219	0,38	07319	0,43	07419	0,46	07519	0,56	07619	0,63
M 12 x 1.75	100	07221	0,34	07321	0,39	07421	0,44	07521	0,52	07621	0,63
M 12 x 1.5	100	07222	0,34	07322	0,39	07422	0,44	07522	0,52	07622	0,63
M 12 x 1.25	100	07223	0,34	07323	0,39	07423	0,44	07523	0,52	07623	0,63
M 12 x 1.0	100	07224	0,34	07324	0,39	07424	0,44	07524	0,52	07624	0,63
M 14 x 2.0	50	07225	0,48	07325	0,55	07425	0,57	07525	0,69	07625	0,84
M 14 x 1.5	50	07226	0,48	07326	0,55	07426	0,57	07526	0,69	07626	0,84
M 14 x 1.25	50	07227	0,48	07327	0,55	07427	0,57	07527	0,69	07627	0,84
M 14 x 1.0	50	07231	0,58	07331	0,60	07431	0,69	07531	0,84	07631	1,00
M 16 x 2.0	50	07234	0,65	07334	0,68	07434	0,84	07534	0,92	07634	1,00
M 16 x 1.5	50	07235	0,65	07335	0,68	07435	0,84	07535	0,92	07635	1,00
M 18 x 2.5	25	07236	0,95	07336	1,10	07436	1,50	07536	1,70	07636	2,00
M 18 x 2.0	25	07237	0,95	07337	1,10	07437	1,50	07537	1,70	07637	2,00
M 18 x 1.5	25	07238	0,95	07338	1,10	07438	1,50	07538	1,70	07638	2,00
M 20 x 2.5	25	07239	1,10	07339	1,40	07439	1,80	07539	2,00	07639	2,30
M 20 x 2.0	25	07240	1,10	07340	1,40	07440	1,80	07540	2,00	07640	2,30
M 20 x 1.5	25	07241	1,10	07341	1,40	07441	1,80	07541	2,00	07641	2,30
M 22 x 2.5	10	07242	1,20	07342	1,50	07442	1,90	07542	2,20	07642	2,50
M 22 x 2.0	10	07243	1,20	07343	1,50	07443	1,90	07543	2,20	07643	2,50
M 22 x 1.5	10	07244	1,20	07344	1,50	07444	1,90	07544	2,20	07644	2,50
M 24 x 3.0	10	07245	1,50	07345	1,60	07445	2,00	07545	2,40	07645	2,80
M 24 x 2.0	10	07246	1,50	07346	1,60	07446	2,00	07546	2,40	07646	2,80
M 24 x 1.5	10	07247	1,50	07347	1,60	07447	2,00	07547	2,40	07647	2,80

Wire Thread Inserts for Spark Plug

Filetti Riportati per filetti della candela di accensione

Nominal Diameter D		8,40 mm		12,40 mm		16,40 mm	
		Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece
M 14 x 1.25	50	07128	0,55	07228	0,55	07328	0,55



Wire Thread Inserts - Type "S"


"free running", stainless steel

Filetti Riportati - tipo standard

scorrimento libero, di acciaio inox



DIN 8140 Tol. ISO 2 (6H)

Nominal Diameter D		1,5 D Art.-No.	€/Piece
M			
M 26 x 1.5	5	07349	2,60
M 27 x 3.0	5	07350	2,60
M 27 x 2.0	5	07351	2,60
M 27 x 1.5	5	07352	2,60
M 28 x 1.5	5	07353	2,60
M 30 x 3.5	5	07354	3,00
M 30 x 2.0	5	07355	3,00
M 30 x 1.5	5	07356	3,00
M 33 x 3.5	5	07357	3,80
M 33 x 2.0	5	07358	3,80
M 36 x 4.0	5	07360	3,80
M 36 x 3.0	5	07361	3,80
M 36 x 2.0	5	07362	3,80
M 36 x 1.5	5	07363	3,80
M 39 x 4.0	5	07364	9,50
M 39 x 3.0	5	07365	9,50
M 40 x 3.0	5	07368	13,30
M 42 x 4.5	5	07372	13,30
M 42 x 3.0	5	07373	13,30
M 45 x 4.5	5	07377	16,00
M 45 x 3.0	5	07378	16,00
M 48 x 5.0	5	07382	21,00
M 48 x 3.0	5	07383	16,00
M 50 x 3.0	5	07387	21,00
M 52 x 5.0	5	07390	22,50
M 52 x 3.0	5	07391	22,50
G (BSP)			
1/8 x 28	50	08380	0,40
1/4 x 19	50	08381	0,60
3/8 x 19	50	08382	0,70
1/2 x 14	50	08383	0,90
5/8 x 14	5	08384	2,25
3/4 x 14	5	08385	2,25
7/8 x 14	5	08386	6,90
1" x 11	5	08387	6,90



Wire Thread Inserts - Type "S"


"free running", stainless steel

Filetti Riportati - tipo standard

scorrimento libero, di acciaio inox



DIN 8140 Tol. 2B

Nominal Diameter D		1,0 D		1,5 D		2,0 D		2,5 D		3,0 D	
		Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece
UNC											
No. 2 x 56	100	08200	0,47	08300	0,55	08400	0,71	08500	0,80	08600	1,00
No. 4 x 40	100	08201	0,18	08301	0,17	08401	0,18	08501	0,21	08601	0,25
No. 5 x 40	100	08202	0,19	08302	0,20	08402	0,21	08502	0,25	08602	0,30
No. 6 x 32	100	08203	0,14	08303	0,16	08403	0,17	08503	0,19	08603	0,22
No. 8 x 32	100	08204	0,14	08304	0,16	08404	0,17	08504	0,19	08604	0,22
No. 10 x 24	100	08205	0,18	08305	0,18	08405	0,20	08505	0,24	08605	0,29
No. 12 x 24	100	08206	0,19	08306	0,21	08406	0,23	08506	0,28	08606	0,34
1/4 x 20	100	08207	0,19	08307	0,21	08407	0,23	08507	0,28	08607	0,34
5/16 x 18	100	08208	0,25	08308	0,30	08408	0,32	08508	0,38	08608	0,46
3/8 x 16	100	08209	0,39	08309	0,39	08409	0,51	08509	0,58	08609	0,69
7/16 x 14	100	08210	0,43	08310	0,52	08410	0,59	08510	0,70	08610	0,86
1/2 x 13	100	08211	0,46	08311	0,52	08411	0,59	08511	0,70	08611	0,86
9/16 x 12	50	08212	1,50	08312	2,00	08412	2,57	08512	2,94	08612	3,55
5/8 x 11	50	08214	1,36	08314	1,82	08414	2,26	08514	2,71	08614	3,23
3/4 x 10	25	08216	1,58	08316	2,15	08416	2,68	08516	3,18	08616	3,81
7/8 x 9	10	08218	2,10	08318	3,15	08418	4,00	08518	4,73	08618	5,74
1" x 8	10	08219	2,10	08319	3,15	08419	4,00	08519	4,73	08619	5,74
1.1/8 x 7	5			08320	5,10						
1.1/4 x 7	5			08321	5,60						
1.3/8 x 6	5			08322	6,20						
1.1/2 x 6	5			08323	7,20						
UNF											
No. 4 x 48	100	08290	0,42	08390	0,48	08490	0,64	08590	0,71	08690	0,90
No. 6 x 40	100	08291	0,42	08391	0,48	08491	0,64	08591	0,71	08691	0,90
No. 8 x 36	100	08292	0,42	08392	0,48	08492	0,64	08592	0,71	08692	0,90
No. 10 x 32	100	08293	0,18	08393	0,19	08493	0,23	08593	0,28	08693	0,34
1/4 x 28	100	08225	0,18	08325	0,19	08425	0,23	08525	0,28	08625	0,34
5/16 x 24	100	08226	0,25	08326	0,27	08426	0,32	08526	0,38	08626	0,46
3/8 x 24	100	08227	0,37	08327	0,39	08427	0,47	08527	0,57	08627	0,69
7/16 x 20	100	08228	0,46	08328	0,52	08428	0,59	08528	0,70	08628	0,86
1/2 x 20	100	08229	0,46	08329	0,52	08429	0,59	08529	0,70	08629	0,86
9/16 x 18	50	08230	1,09	08330	1,09	08430	1,31	08530	1,50	08630	1,84
5/8 x 18	50	08231	1,09	08331	1,09	08431	1,31	08531	1,50	08631	1,84
3/4 x 16	25	08233	1,80	08333	2,50	08433	3,02	08533	3,66	08633	4,39
7/8 x 14	10	08235	2,44	08335	3,60	08435	4,58	08535	5,26	08635	6,31
1" x 12	10	08237	2,44	08337	3,60	08437	4,58	08537	5,26	08637	6,31
1.1/8 x 12	5			08396	5,10						
1.1/4 x 12	5			08397	5,60						
1.3/8 x 12	5			08398	6,20						
1.1/2 x 12	5			08399	7,20						



Wire Thread Inserts - Type "S"


"free running", stainless steel

Filetti Riportati - tipo standard

scorrimento libero, di acciaio inox



DIN 8140 Tol. 2B

Nominal Diameter D		1,5 D	Art.-No.	€/Piece
UNx8				
1.1/8 x 8	5		08731	5,10
1.1/4 x 8	5		08732	5,60
1.3/8 x 8	5		08733	6,20
1.1/2 x 8	5		08734	7,20
1.5/8 x 8	5		08735	10,30
1.3/4 x 8	5		08736	11,20
1.7/8 x 8	5		08737	12,00
2" x 8	5		08738	16,10



Wire Thread Inserts - Type "S"

"free running", stainless steel

Filetti Riportati - tipo standard

scorrimento libero, di acciaio inox



DIN 8140

Nominal Diameter D		1,0 D Art.-No. €/Piece	1,5 D Art.-No. €/Piece	2,0 D Art.-No. €/Piece	2,5 D Art.-No. €/Piece	3,0 D Art.-No. €/Piece
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BSW

1/8 x 40	100	08241	0,55	08341	0,64	08441	1,00	08541	1,13	08641	1,21
3/16 x 24	100	08242	0,55	08342	0,64	08442	1,00	08542	1,13	08642	1,21
1/4 x 20	100	08243	0,24	08343	0,26	08443	0,30	08543	0,40	08643	0,43
5/16 x 18	100	08244	0,28	08344	0,32	08444	0,35	08544	0,42	08644	0,51
3/8 x 16	100	08245	0,49	08345	0,53	08445	0,62	08545	0,73	08645	0,88
7/16 x 14	100	08246	0,60	08346	0,66	08446	0,76	08546	0,90	08646	1,10
1/2 x 12	100	08247	0,60	08347	0,66	08447	0,76	08547	0,90	08647	1,10
9/16 x 12	50	08248	1,50	08348	2,10	08448	2,47	08548	2,94	08648	3,60
5/8 x 11	50	08249	1,50	08349	2,10	08449	2,47	08549	2,94	08649	3,60
3/4 x 10	25	08251	1,94	08351	2,50	08451	3,05	08551	3,66	08651	4,39
7/8 x 9	10	08253	2,50	08353	3,50	08453	4,37	08553	5,26	08653	6,31
1" x 8	10	08255	2,70	08355	4,00	08455	4,37	08555	5,26	08655	6,31

BSF

3/16 x 32	100	08262	0,55	08362	0,64	08462	1,00	08562	1,13	08662	1,21
1/4 x 26	100	08263	0,24	08363	0,26	08463	0,30	08563	0,36	08663	0,43
5/16 x 22	100	08265	0,26	08365	0,32	08465	0,35	08565	0,42	08665	0,51
3/8 x 20	100	08266	0,49	08366	0,53	08466	0,62	08566	0,73	08666	0,88
7/16 x 18	100	08267	0,60	08367	0,66	08467	0,76	08567	0,90	08667	1,10
1/2 x 16	100	08268	0,60	08368	0,66	08468	0,76	08568	0,90	08668	1,10
9/16 x 16	50	08269	1,50	08369	2,00	08469	2,47	08569	2,94	08669	3,60
5/8 x 14	50	08270	1,50	08370	2,00	08470	2,47	08570	2,94	08670	3,60
3/4 x 12	25	08272	1,94	08372	2,50	08472	3,05	08572	3,66	08672	4,39
7/8 x 11	10	08274	2,50	08374	3,50	08474	4,37	08574	5,26	08674	6,31
1" x 10	10	08276	2,50	08376	3,50	08476	4,37	08576	5,26	08676	6,31

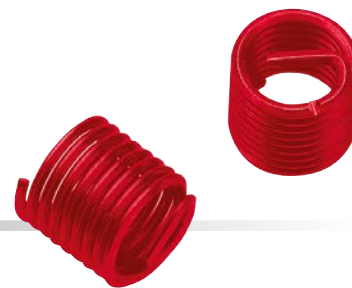


Wire Thread Inserts - Type "SL"

Screw Locking, stainless steel
 red coloured


Filetti Riportati - tipo SL

Autofrenanti, di acciaio inox,
 colore rosso



DIN 8140

Tol. ISO 2 (6H)

Nominal Diameter D		1,0 D		1,5 D		2,0 D	
		Art.-No.	€/Piece	Art.-No.	€/Piece	Art.-No.	€/Piece
M							
M 3 x 0.5	100	05205	0,17	05305	0,18	05405	0,19
M 4 x 0.7	100	05207	0,17	05307	0,18	05407	0,19
M 5 x 0.8	100	05208	0,19	05308	0,20	05408	0,22
M 6 x 1.0	100	05209	0,21	05309	0,23	05409	0,25
M 8 x 1.25	100	05211	0,22	05311	0,25	05411	0,30
M 10 x 1.5	100	05215	0,28	05315	0,30	05415	0,35
M 12 x 1.75	100	05221	0,41	05321	0,47	05421	0,53
M 14 x 2.0	50	05225	0,58	05325	0,66	05425	0,69
M 16 x 2.0	50	05234	0,78	05334	0,82	05434	1,01




Solid Thread Inserts SP

stainless steel



Inserti filettati a bussola SP

in acciaio automatico zincato

Nominal Diameter D	R		Art.-No.	Price €
M 14 x1.25	9.5 mm	10	19136	3,00
M 14 x1.25	11.2 mm	10	19137	3,10
M 14 x1.25	12.7 mm	10	19138	3,10
M 14 x1.25	17.5 mm	10	19139	3,30


Solid Thread Inserts LS

stainless steel



inserti filetti LS

in acciaio inossidabile

Nominal Diameter D	R		Art.-No.	Price €
M 18 x1.5	9.0 mm	10	19147	8,90


Wire Thread Inserts LS

INCONEL X750



Filetti Riportati LS

di INCONEL X750

Nominal Diameter D	R		Art.-No.	Price €
M18 x1.5	9.0 mm	10	19149	8,00



Refill Pack

Wire Thread Inserts - Type "S"

Confezioni ricarica

Filetti Riportati - tipo standard



DIN 8140 Tol. ISO 2 (6H)

Nominal Diameter D	Pecce pezzo	1,0 D		1,5 D		2,0 D		2,5 D		3,0 D	
		Art.-No.	€	Art.-No.	€	Art.-No.	€	Art.-No.	€	Art.-No.	€
M 2 x 0,4	10	40202	7,30	40302	8,80	40402	9,90	40502	10,80	40602	12,90
M 2,2 x 0,45	10	40203	7,30	40303	8,80	40403	9,90	40503	10,80	40603	12,90
M 2,5 x 0,45	10	40204	3,90	40304	4,00	40404	4,10	40504	4,40	40604	4,80
M 3 x 0,5	10	40205	3,90	40305	4,00	40405	4,10	40505	4,40	40605	4,80
M 3,5 x 0,6	10	40206	4,10	40306	4,20	40406	4,30	40506	4,60	40606	5,00
M 4 x 0,7	10	40207	3,90	40307	4,00	40407	4,10	40507	4,40	40607	4,60
M 5 x 0,8	10	40208	4,10	40308	3,80	40408	4,30	40508	4,70	40608	5,10
M 6 x 1,0	10	40209	4,20	40309	3,90	40409	4,60	40509	5,00	40609	5,70
M 7 x 1,0	10	40210	4,40	40310	4,80	40410	5,00	40510	5,60	40610	6,20
M 8 x 1,25	10	40211	4,30	40311	4,30	40411	5,00	40511	5,60	40611	6,20
M 8 x 1,0	10	40212	4,60	40312	4,60	40412	5,30	40512	5,80	40612	6,50
M 9 x 1,25	5	40213	3,70	40313	4,20	40413	4,20	40513	4,40	40613	4,70
M 10 x 1,5	5	40215	3,60	40315	3,70	40415	3,90	40515	4,30	40615	4,60
M 10 x 1,25	5	40216	3,60	40316	3,70	40416	3,90	40516	4,30	40616	4,60
M 10 x 1,0	5	40217	3,60	40317	3,70	40417	3,90	40517	4,30	40617	4,60
M 11 x 1,5	5	40219	4,40	40319	4,70	40419	4,80	40519	5,40	40619	5,70
M 12 x 1,75	5	40221	4,20	40321	4,50	40421	4,70	40521	5,10	40621	5,70
M 12 x 1,5	5	40222	4,20	40322	4,50	40422	4,70	40522	5,10	40622	5,70
M 12 x 1,25	5	40223	4,20	40323	4,50	40423	4,70	40523	5,10	40623	5,70
M 12 x 1,0	5	40224	4,20	40324	4,50	40424	4,70	40524	5,10	40624	5,70
M 14 x 2,0	5	40225	4,90	40325	5,30	40425	5,40	40525	6,00	40625	6,80
M 14 x 1,5	5	40226	4,90	40326	5,30	40426	5,40	40526	6,00	40626	6,80
M 14 x 1,25	5	40227	4,90	40327	5,30	40427	5,40	40527	6,00	40627	6,80
M 14 x 1,0	5	40231	5,50	40331	5,60	40431	6,00	40531	6,80	40631	7,70
M 16 x 2,0	5	40234	5,80	40334	6,00	40434	6,80	40534	7,20	40634	7,70
M 16 x 1,5	5	40235	5,80	40335	6,00	40435	6,80	40535	7,20	40635	7,70
M 18 x 2,5	5	40236	7,40	40336	8,20	40436	10,30	40536	11,30	40636	12,90
M 18 x 2,0	5	40237	7,40	40337	8,20	40437	10,30	40537	11,30	40637	12,90
M 18 x 1,5	5	40238	7,40	40338	8,20	40438	10,30	40538	11,30	40638	12,90
M 20 x 2,5	5	40239	8,20	40339	9,80	40439	11,90	40539	12,90	40639	14,50
M 20 x 2,0	5	40240	8,20	40340	9,80	40440	11,90	40540	12,90	40640	14,50
M 20 x 1,5	5	40241	8,20	40341	9,80	40441	11,90	40541	12,90	40641	14,50
M 22 x 2,5	5	40242	8,70	40342	10,30	40442	12,40	40542	14,00	40642	15,50
M 22 x 2,0	5	40243	8,70	40343	10,30	40443	12,40	40543	14,00	40643	15,50
M 22 x 1,5	5	40244	8,70	40344	10,30	40444	12,40	40544	14,00	40644	15,50
M 24 x 3,0	5	40245	10,30	40345	10,80	40445	12,90	40545	15,00	40645	17,10
M 24 x 2,0	5	40246	10,30	40346	10,80	40446	12,90	40546	15,00	40646	17,10
M 24 x 1,5	5	40247	10,30	40347	10,80	40447	12,90	40547	15,00	40647	17,10

Thread Repair Kits for spark plug thread

Filetti Riportati per filetti della candela di accensione

Nominal Diameter D	Pecce pezzo	8,40 mm		12,40 mm		16,40 mm	
		Art.-No.	€	Art.-No.	€	Art.-No.	€
M 14 x 1,25	5	40229	5,30	40228	5,30	40328	5,30



Refill Pack

Wire Thread Inserts - Type "S"

Confezioni ricarica

Filetti Riportati - tipo standard



DIN 8140 Tol. 2B

Nominal Diameter D	Piece pezzo	1,0 D Art.-No. €	1,5 D Art.-No. €	2,0 D Art.-No. €	2,5 D Art.-No. €	3,0 D Art.-No. €
UNC						
UNC No.2	10	44200 7,40	44300 8,20	44400 9,90	44500 10,80	44600 12,90
UNC No.4	10	44201 4,30	44301 4,20	44401 4,30	44501 4,60	44601 5,00
UNC No.5	10	44202 4,40	44302 4,50	44402 4,60	44502 5,00	44602 5,60
UNC No.6	10	44203 3,90	44303 4,10	44403 4,20	44503 4,40	44603 4,70
UNC No.8	10	44204 3,90	44304 4,10	44404 4,20	44504 4,40	44604 4,70
UNC No.10	10	44205 4,30	44305 4,30	44405 4,50	44505 4,90	44605 5,50
UNC No.12	10	44206 4,40	44306 4,60	44406 4,80	44506 5,40	44606 6,00
UNC 1/4	10	44207 4,40	44307 4,60	44407 4,80	44507 5,40	44607 6,00
UNC 5/16	10	44208 5,00	44308 5,60	44408 5,80	44508 6,40	44608 7,20
UNC 3/8	5	44209 4,50	44309 4,50	44409 5,10	44509 5,50	44609 6,00
UNC 7/16	5	44210 4,70	44310 5,10	44410 5,50	44510 6,10	44610 6,90
UNC 1/2	5	44211 4,80	44311 5,10	44411 5,50	44511 6,10	44611 6,90
UNC 9/16	5	44212 10,30	44312 12,90	44412 15,90	44512 17,90	44612 21,10
UNC 5/8	5	44213 9,60	44314 12,00	44414 14,30	44513 16,60	44614 19,40
UNC 3/4	5	44216 10,70	44316 13,70	44416 16,50	44516 19,10	44616 22,40
UNC 7/8	5	44218 13,40	44318 19,00	44418 23,40	44518 27,30	44618 32,60
UNC 1"	5	44219 13,40	44319 19,00	44419 23,40	44519 27,30	44619 32,60
UNF						
UNF No.4	10	44221 6,80	44321 7,50	44421 9,10	44521 9,90	44621 11,90
UNF No.6	10	44222 6,80	44322 7,50	44422 9,10	44522 9,90	44622 11,90
UNF No.8	10	44223 6,80	44323 7,50	44423 9,10	44523 9,90	44623 11,90
UNF No.10	10	44224 4,30	44324 4,40	44424 4,80	44524 5,40	44624 6,00
UNF 1/4	10	44225 4,30	44325 4,40	44425 4,80	44525 5,40	44625 6,00
UNF 5/16	10	44226 5,00	44326 5,30	44426 5,80	44526 6,40	44626 7,20
UNF 3/8	5	44227 4,40	44327 4,50	44427 4,90	44527 5,40	44627 6,00
UNF 7/16	5	44228 4,80	44328 5,10	44428 5,50	44528 6,10	44628 6,90
UNF 1/2	5	44229 4,80	44329 5,10	44429 5,50	44529 6,10	44629 6,90
UNF 9/16	5	44230 8,10	44330 8,10	44430 9,30	44530 10,30	44630 12,10
UNF 5/8	5	44231 8,10	44331 8,10	44431 9,30	44531 10,30	44631 12,10
UNF 3/4	5	44233 11,90	44333 15,50	44433 18,30	44533 21,60	44633 25,50
UNF 7/8	5	44235 15,20	44335 21,30	44435 26,50	44535 30,00	44635 35,50
UNF 1"x12	5	44237 15,20	44337 21,30	44437 26,50	44537 30,00	44637 35,50



Refill Pack

Wire Thread Inserts - Type "S"

Confezioni ricarica

Filetti Riportati - tipo standard



DIN 8140

Nominal Diameter D	Piece pezzo	1,0 D Art.-No.	1,0 D €	1,5 D Art.-No.	1,5 D €	2,0 D Art.-No.	2,0 D €	2,5 D Art.-No.	2,5 D €	3,0 D Art.-No.	3,0 D €
BSW											
BSW 1/8	10	44241	8,20	44341	9,10	44441	12,90	44541	14,30	44641	15,10
BSW 3/16	10	44242	8,20	44342	9,10	44442	12,90	44542	14,30	44642	15,10
BSW 1/4	10	44243	4,90	44343	5,10	44443	5,60	44543	6,60	44643	6,90
BSW 5/16	10	44244	5,40	44344	5,80	44444	6,10	44544	6,80	44644	7,80
BSW 3/8	5	44245	5,00	44345	5,20	44445	5,70	44545	6,30	44645	7,00
BSW 7/16	5	44246	5,60	44346	5,90	44446	6,40	44546	7,10	44646	8,20
BSW 1/2	5	44247	5,60	44347	5,90	44447	6,40	44547	7,10	44647	8,20
BSW 9/16	5	44248	10,30	44348	13,40	44448	15,40	44548	17,90	44648	21,30
BSW 5/8	5	44249	10,30	44349	13,40	44449	15,40	44549	17,90	44649	21,30
BSW 3/4	5	44251	12,60	44351	15,50	44451	18,40	44551	21,60	44651	25,50
BSW 7/8	5	44253	15,50	44353	20,80	44453	25,40	44553	30,00	44653	35,50
BSW 1"	5	44255	16,60	44355	23,40	44455	25,40	44555	30,00	44655	35,50
BSF											
BSF 3/16	10	44262	8,20	44362	9,10	44462	12,90	44562	14,30	44662	15,10
BSF 1/4	10	44263	4,90	44363	5,10	44463	5,60	44563	6,20	44663	6,90
BSF 5/16	10	44265	5,10	44365	5,80	44465	6,10	44565	6,80	44665	7,80
BSF 3/8	5	44266	5,00	44366	5,20	44466	5,70	44566	6,30	44666	7,00
BSF 7/16	5	44267	5,60	44367	5,90	44467	6,40	44567	7,10	44667	8,20
BSF 1/2	5	44268	5,60	44368	5,90	44468	6,40	44568	7,10	44668	8,20
BSF 9/16	5	44269	10,30	44369	12,90	44469	15,40	44569	17,90	44669	21,30
BSF 5/8	5	44270	10,30	44370	12,90	44470	15,40	44570	17,90	44670	21,30
BSF 3/4	5	44272	12,60	44372	15,50	44472	18,40	44572	21,60	44672	25,50
BSF 7/8	5	44274	15,50	44374	20,80	44474	25,40	44574	30,00	44674	35,50
BSF 1"	5	44276	15,50	44376	20,80	44476	25,40	44576	30,00	44676	35,50
G(BSP)											
G 1/8	5			44380	4,50						
G 1/4	5			44381	5,60						
G 3/8	5			44382	6,10						
G 1/2	5			44383	7,10						



THREAD REPAIR KITS KIT RIPRISTINA FILETTI



V-COIL rapid
THREAD INSERT SYSTEM ■■■



= application flexibility
= Flessibilità di utilizzo

Advantages:

- all tools with 1/4" Hexagon Drive
- to be used by hand or cordless powertool
- no adjustment by hand while assembling
- handy, even in awkward places

Vantaggi:

- Tutti gli utensili con attacco esagonale da 1/4"
- Per uso a mano o per uso con avvitatori a batteria
- Nessun tipo di regolazione a mano durante l'impiego
- A mano per uso anche in luoghi ristretti

V-COIL
THREAD INSERT SYSTEM ■■■



= three drive changes
= tre sistemi di manovra



THREAD REPAIR KITS KIT RIPRISTINA FILETTI

	V-COIL	V-COIL rapid	V-COIL Automotive
M / MF	21 - 23	20	29 - 32
UNC	24		
UNF	25		
UNx8	26		
BSW	27		
BSF	27		
G (BSP)	28		



Thread Repair Kits V-COIL rapid

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti V-COIL rapid

Filetti Riportati - tipo standard 1,5 D



						Art.-No.	€
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M

M 2.5 x 0.45	2.6 mm	08090	07090	1/4"	10	04303	20,60
M 3 x 0.5	3.2 mm	08091	07091	1/4"	10	04305	20,60
M 4 x 0.7	4.2 mm	08092	07092	1/4"	10	04307	20,60
M 5 x 0.8	5.2 mm	08093	07093	1/4"	10	04309	21,40
M 6 x 1.0	6.3 mm	08094	07094	1/4"	10	04310	23,10
M 8 x 1.25	8.3 mm	08095	07095	1/4"	10	04312	29,40
M 10 x 1.5	10.4 mm	08096	07096	1/4"	10	04316	31,40
M 12 x 1.75	12.4 mm	08097	07097	1/4"	6	04321	35,20








Thread Repair Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D



					Art.-No.	€
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M							
M	2 x 0.4	2.1 mm	No. 2	No. 2	20	04001	20,60
M	2.5 x 0.45	2.6 mm	No. 3	No. 3	20	04003	20,60
M	3 x 0.5	3.2 mm	No. 4	No. 4	20	04005	20,60
M	3.5 x 0.6	3.7 mm	No. 5	No. 5	20	04006	20,60
M	4 x 0.7	4.2 mm	No. 6	No. 6	20	04007	20,60
M	5 x 0.8	5.2 mm	No. 8	No. 8	20	04009	21,40
M	6 x 1.0	6.3 mm	No. 9	No. 9	20	04010	23,10
M	7 x 1.0	7.3 mm	No. 10	No. 11	20	04011	29,40
M	8 x 1.25	8.3 mm	No. 11	No. 11	20	04012	29,40
M	8 x 1.0	8.3 mm	No. 11	No. 11	20	04013	29,40
M	9 x 1.25	9.3 mm	No. 12	No. 12	15	04014	32,60
M	10 x 1.5	10.4 mm	No. 13	No. 13	15	04016	31,40
M	10 x 1.25	10.3 mm	No. 13	No. 13	15	04017	31,40
M	10 x 1.0	10.3 mm	No. 13	No. 13	15	04018	31,40
M	11 x 1.5	11.4 mm	No. 14	No. 14	10	04019	35,20
M	12 x 1.75	12.4 mm	No. 15	No. 15	10	04021	35,20
M	12 x 1.5	12.4 mm	No. 15	No. 15	10	04022	35,20
M	12 x 1.25	12.3 mm	No. 15	No. 15	10	04023	35,20
M	12 x 1.0	12.3 mm	No. 15	No. 15	10	04024	35,20
M	14 x 2.0		No. 16		10	04028	39,40
M	14 x 1.5		No. 16		10	04029	39,40
M	14 x 1.25		No. 17		10	04030	39,40
M	14 x 1.0		No. 17		10	04031	39,40
M	16 x 2.0		No. 18		10	04032	47,70
M	16 x 1.5		No. 18		10	04033	47,70
M	18 x 2.5		No. 20		5	04034	56,60
M	18 x 2.0		No. 20		5	04035	56,60
M	18 x 1.5		No. 20		5	04036	56,60
M	20 x 2.5		No. 21		5	04037	61,30
M	20 x 2.0		No. 21		5	04038	61,30
M	20 x 1.5		No. 21		5	04039	61,30
M	22 x 2.5		No. 22		5	04040	70,60
M	22 x 2.0		No. 22		5	04041	70,60
M	22 x 1.5		No. 22		5	04042	70,60
M	24 x 3.0		No. 23		5	04043	81,40
M	24 x 2.0		No. 23		5	04044	81,40
M	24 x 1.5		No. 23		5	04045	81,40



Thread Repair Kits

STI-taps, sets of 2 pcs.

Inserting Tool with Hexagon Drive

Wire Thread Inserts 1,5 D





Kit Ripristina Filetti

Maschi STI, set di 2 pz.

Utensile per il Montaggio con attacco esagonale

Filetti Riportati - tipo standard 1,5 D



Size					Art.-No.	€
------	---	---	---	---	----------	---

M

M 26 x 1.5	03049	08024	07349	10	04049	250,00
M 27 x 3.0	03050	08025	07350	10	04050	250,00
M 27 x 2.0	03051	08026	07351	10	04051	250,00
M 27 x 1.5	03052	08027	07352	10	04052	250,00
M 28 x 1.5	03053	08028	07353	10	04053	250,00
M 30 x 3.5	03054	08029	07354	10	04054	295,00
M 30 x 2.0	03055	08030	07355	10	04055	295,00
M 30 x 1.5	03056	08031	07356	10	04056	295,00
M 33 x 3.5	03057	08032	07357	10	04057	305,00
M 33 x 2.0	03058	08033	07358	10	04058	305,00
M 36 x 4.0	03060	08034	07360	10	04060	325,00
M 36 x 3.0	03061	08035	07361	10	04061	325,00
M 36 x 2.0	03062	08036	07362	10	04062	325,00
M 36 x 1.5	03063	08037	07363	10	04063	325,00
M 39 x 4.0	03064	08038	07364	10	04231	470,00
M 39 x 3.0	03065	08039	07365	10	04232	410,00
M 40 x 3.0	03066	08040	07368	10	04233	470,00
M 42 x 4.5	03067	08041	07372	10	04234	630,00
M 42 x 3.0	03068	08042	07373	10	04235	470,00
M 45 x 4.5	03069	08043	07377	10	04236	650,00
M 45 x 3.0	03070	08044	07378	10	04237	570,00
M 48 x 5.0	03071	08045	07382	10	04238	795,00
M 48 x 3.0	03072	08046	07383	10	04239	590,00
M 50 x 3.0	03073	08047	07387	10	04240	630,00
M 52 x 5.0	03074	08048	07390	10	04241	990,00
M 52 x 3.0	03075	08049	07391	10	04242	850,00







Thread Repair Kits

with Machine Inserting Tool
and STI-Machine Tap (Spiral Point)

Kit Ripristina Filetti

con utensile per il montaggio a macchina
e Maschi STI a Macchina (Forma B)



				Art.-No.	€
---	---	---	--	----------	---

M						
M	3 x 0.5	3.2 mm	No. 4	20	04070	23,90
M	4 x 0.7	4.2 mm	No. 6	20	04071	23,90
M	5 x 0.8	5.2 mm	No. 8	20	04072	24,70
M	6 x 1.0	6.3 mm	No. 9	20	04073	26,30
M	8 x 1.25	8.3 mm	No. 11	20	04074	33,70
M	10 x 1.5	10.4 mm	No. 13	15	04075	36,40
M	12 x 1.75	12.4 mm	No. 15	10	04076	40,70








Thread Repair Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D



					Art.-No	€
						
UNC						
No. 2 x 56	2.4 mm	No. 2	No. 2	20	04100	30,00
No. 4 x 40	3.1 mm	No. 4	No. 4	20	04101	27,10
No. 5 x 40	3.4 mm	No. 4	No. 4	20	04106	27,10
No. 6 x 32	3.8 mm	No. 5	No. 5	20	04102	27,10
No. 8 x 32	4.4 mm	No. 6	No. 6	20	04103	27,10
No. 10 x 24	5.2 mm	No. 7	No. 6	20	04104	27,10
No. 12 x 24	5.8 mm	No. 8	No. 8	20	04105	27,10
1/4 x 20	6.7 mm	No. 9	No. 9	20	04107	24,40
5/16 x 18	8.3 mm	No. 10	No. 10	20	04108	29,90
3/8 x 16	9.9 mm	No. 12	No. 12	15	04109	31,90
7/16 x 14	11.6 mm	No. 14	No. 14	10	04110	35,80
1/2 x 13	13.0 mm	No. 15	No. 15	10	04111	39,30
9/16 x 12		No. 16		10	04112	52,50
5/8 x 11		No. 18		10	04113	52,50
3/4 x 10		No. 20		5	04114	67,00
7/8 x 9		No. 22		5	04115	81,40
1" x 8		No. 23		4	04116	77,60

Thread Repair Kits

STI-taps, sets of 2 pcs.

Inserting Tool with Hexagon Drive

Wire Thread Inserts 1,5 D





Kit Ripristina Filetti

Maschi STI, set di 2 pz.

Utensile per il Montaggio con attacco esagonale

Filetti Riportati - tipo standard 1,5 D



Size					Art.-No.	€
Dimensioni						
UNC						
1.1/8" x 7	03117	08050	08320	10	04117	272,00
1.1/4" x 7	03118	08051	08321	10	04118	300,00
1.3/8" x 6	03119	08052	08322	10	04119	336,00
1.1/2" x 6	03120	08053	08323	10	04135	402,00








Thread Repair Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D



					Art.-No.	€
---	---	---	---	--	----------	---

UNF

No. 4 x 48	3.0 mm	No. 4	No. 4	20	04120	27,10
No. 6 x 40	3.8 mm	No. 5	No. 5	20	04121	27,10
No. 8 x 36	4.4 mm	No. 6	No. 6	20	04122	27,10
No. 10 x 32	5.1 mm	No. 8	No. 8	20	04123	27,10
1/4 x 28	6.7 mm	No. 9	No. 9	20	04125	24,40
5/16 x 24	8.3 mm	No. 11	No. 11	20	04126	29,90
3/8 x 24	9.8 mm	No. 13	No. 13	15	04127	31,90
7/16 x 20	11.5 mm	No. 14	No. 14	10	04128	35,80
1/2 x 20	13.0 mm	No. 15	No. 15	10	04129	39,30
9/16 x 18		No. 16		10	04130	52,50
5/8 x 18		No. 18		10	04131	52,50
3/4 x 16		No. 21		5	04132	67,00
7/8 x 14		No. 22		5	04133	81,40
1" x 12		No. 23		4	04134	77,60

Thread Repair Kits

STI-taps, sets of 2 pcs.

Inserting Tool with Hexagon Drive

Wire Thread Inserts 1,5 D



Kit Ripristina Filetti

Maschi STI, set di 2 pz.

Utensile per il Montaggio con attacco esagonale

Filetti Riportati - tipo standard 1,5 D



Size Dimensioni					Art.-No.	€
--------------------	---	---	---	--	----------	---

UNF

1.1/8" x 12	03166	08060	08396	10	04136	272,00
1.1/4" x 12	03167	08061	08397	10	04137	300,00
1.3/8" x 12	03168	08062	08398	10	04138	336,00
1.1/2" x 12	03169	08063	08399	10	04139	402,00








Thread Repair Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D

					Art.-No.	€
---	---	---	---	--	----------	---

BSW

1/8 x 40	3.4 mm	No. 4	No. 4	20	04141	27,10
3/16 x 24	5.0 mm	No. 8	No. 8	20	04142	27,10
1/4 x 20	6.7 mm	No. 9	No. 9	20	04143	24,40
5/16 x 18	8.3 mm	No. 10	No. 11	20	04144	29,90
3/8 x 16	9.9 mm	No. 12	No. 12	15	04145	31,90
7/16 x 14	11.5 mm	No. 14	No. 14	10	04146	35,80
1/2 x 12	13.0 mm	No. 15	No. 15	10	04147	39,30
9/16 x 12		No. 16		10	04148	52,50
5/8 x 11		No. 18		10	04149	52,50
3/4 x 10		No. 20		5	04150	67,00
7/8 x 9		No. 22		5	04151	81,40
1" x 8		No. 23		4	04152	77,60

BSF

3/16 x 32	5.0 mm	No. 7	No. 6	20	04162	27,10
1/4 x 26	6.6 mm	No. 9	No. 9	20	04163	24,40
5/16 x 22	8.3 mm	No. 11	No. 11	20	04165	29,90
3/8 x 20	9.9 mm	No. 13	No. 13	15	04166	31,90
7/16 x 18	11.5 mm	No. 14	No. 14	10	04167	35,80
1/2 x 16	13.0 mm	No. 15	No. 15	10	04168	39,30
9/16 x 16		No. 16		10	04169	52,50
5/8 x 14		No. 18		10	04170	52,50
3/4 x 12		No. 20		5	04172	67,00
7/8 x 11		No. 22		5	04174	81,40
1" x 10		No. 23		4	04176	77,60



Thread Repair Kits

for spark plug threads

Wire Thread Inserts

STI-Spark Plug Taps with Pilot Nose







Kit Ripristina Filetti

per filetti della candela di accensione

Filetti Riportati

Maschi combinati STI



		 1,5 D	 8,40 mm	 12,40 mm	 16,40 mm	Art.-No.	€
M 6 x 1.0	No. 9	10				04090	34,00
M 8 x 1.25	No. 11	10				04091	34,00
M 10 x 1.5	No. 13	10				04092	36,00
M 10 x 1.25	No. 13	10				04093	36,00
M 10 x 1.0	No. 13	10				04094	36,00
M 12 x 1.25	No. 15	10				04095	42,00
M 14 x 1.25	No. 17		5	5	5	04096	48,50
M 18 x 1.5	No. 20	5				04097	59,00








Thread Repair Kits

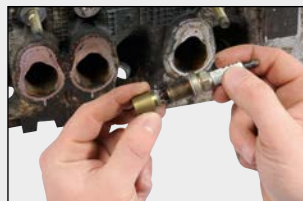
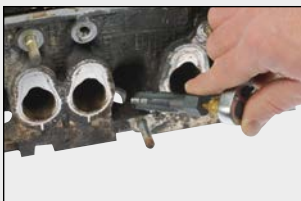
for spark plug thread M 14x1,25
HexTap SP
Solid Thread Inserts SP

Kit Ripristina Filetti

per filetti della candela di accensione M 14x1,25
HexTap SP
inserti filetti SP



						Art.-No.	€
		9,5 mm	11,2 mm	12,7 mm	17,5 mm		
16-XL	M 16 x 1.25				16	19111	50,00
16-2M	M 16 x 1.25	5		11		19112	50,00
16-4	M 16 x 1.25	4	4	4	4	19113	50,00
16-2L	M 16 x 1.25			8	8	19114	50,00
10-S	M 16 x 1.25	10				19115	40,00
10-M	M 16 x 1.25		10			19116	40,00
10-L	M 16 x 1.25			10		19117	40,00
10-XL	M 16 x 1.25				10	19118	40,00
10-2L	M 16 x 1.25			5	5	19119	40,00





Oil Sump Repair Kits

for oil drain screw threads





HexTap OS, screws and retainer ring

Gamma riparazione coppa olio

per filetti do parafuso de drenagem do òleo

HexTap OS, viti e anelli di tenuta



				Art.-No.	€
		CU	Alu		
M 13 x 1.5	15	15		19125	40,00
M 15 x 1.5	15	15		19126	40,00
M 17 x 1.5	15	15		19127	40,00
M 20 x 1.5	5	10	10	19128	40,00
M 24 x 1.5	5	10	10	19129	40,00





THREAD REPAIR WORKSHOP KITS KIT RIPRISTINA FILETTI






	M	BSW/BSF	UNC/UNF
V-COIL	34 - 35	37	37
V-COIL rapid	36		
with Machine Inserting Tool con utensile per il montaggio a macchina	38		
V-COIL Automotive	39		



Thread Repair Workshop Kits

Kit Ripristina Filetti



					Art.-No.	€
VC81 / M 5 - M 12					04081	149,50
M 5 x 0.8	5.2 mm	No. 8	No. 8	25		
M 6 x 1.0	6.3 mm	No. 9	No. 9	25		
M 8 x 1.25	8.3 mm	No. 11	No. 11	25		
M 10 x 1.5	10.4 mm	No. 13	No. 13	25		
M 12 x 1.75	12.4 mm	No. 15	No. 15	10		
VC82 / M 6 - M 14 x 1.25 / NP					04082	164,80
M 6 x 1.0	6.3 mm	No. 9	No. 9	25		
M 8 x 1.25	8.3 mm	No. 11	No. 11	25		
M 10 x 1.5	10.4 mm	No. 13	No. 13	25		
M 12 x 1.75	12.4 mm	No. 15	No. 15	10		
M 14 x 1.25		No. 17		10		
VC83 / M 6 - M 14 x 1.25 / PT (*Spark Plug / per candele)					04083	170,00
M 6 x 1.0	6.3 mm	No. 9	No. 9	25		
M 8 x 1.25	8.3 mm	No. 11	No. 11	25		
M 10 x 1.5	10.4 mm	No. 13	No. 13	25		
M 12 x 1.75	12.4 mm	No. 15	No. 15	10		
M 14 x 1.25*		No. 17		10		
VC85 / M 6 - M 10					04085	95,00
M 6 x 1.0	6.3 mm	No. 9	No. 9	25		
M 8 x 1.25	8.3 mm	No. 11	No. 11	25		
M 10 x 1.5	10.4 mm	No. 13	No. 13	25		



Thread Repair Workshop Kits V-COIL rapid

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti V-COIL rapid

Filetti Riportati - tipo standard 1,5 D



						Art.-No.	€
VC381 / M 5 - M 12						04381	149,50
M 5 x 0.8	5.2 mm	08093	07093	1/4"	10		
M 6 x 1.0	6.3 mm	08094	07094	1/4"	10		
M 8 x 1.25	8.3 mm	08095	07095	1/4"	10		
M 10 x 1.5	10.4 mm	08096	07096	1/4"	10		
M 12 x 1.75	12.4 mm	08097	07097	1/4"	10		
VC385 / M 6 - M 10						04385	95,00
M 6 x 1.0	6.3 mm	08094	07094	1/4"	10		
M 8 x 1.25	8.3 mm	08095	07095	1/4"	10		
M 10 x 1.5	10.4 mm	08096	07096	1/4"	10		










Thread Repair Workshop Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D



					Art.-No.	€
UNC 1/4 - 1/2"					04184	185,40
UNC 1/4 x 20	6.7 mm	No. 9	No. 9	25		
UNC 5/16 x 18	8.3 mm	No. 10	No. 11	25		
UNC 3/8 x 16	9.9 mm	No. 12	No. 12	25		
UNC 7/16 x 14	11.6 mm	No. 14	No. 14	10		
UNC 1/2 x 13	13.0 mm	No. 15	No. 15	10		
UNF 1/4 - 1/2"					04185	185,40
UNF 1/4 x 28	6.7 mm	No. 9	No. 9	25		
UNF 5/16 x 24	8.3 mm	No. 11	No. 11	25		
UNF 3/8 x 24	9.8 mm	No. 13	No. 13	25		
UNF 7/16 x 20	11.5 mm	No. 14	No. 14	10		
UNF 1/2 x 20	13.0 mm	No. 15	No. 15	10		
BSW 1/4 - 1/2"					04186	185,40
BSW 1/4 x 20	6.7 mm	No. 9	No. 9	25		
BSW 5/16 x 18	8.3 mm	No. 10	No. 11	25		
BSW 3/8 x 16	9.9 mm	No. 12	No. 12	25		
BSW 7/16 x 14	11.5 mm	No. 14	No. 14	10		
BSW 1/2 x 12	13.0 mm	No. 15	No. 15	10		
BSF 1/4 - 1/2"					04187	185,40
BSF 1/4 x 26	6.6 mm	No. 9	No. 9	25		
BSF 5/16 x 22	8.3 mm	No. 11	No. 11	25		
BSF 3/8 x 20	9.9 mm	No. 12	No. 12	25		
BSF 7/16 x 18	11.5 mm	No. 14	No. 14	10		
BSF 1/2 x 16	13.0 mm	No. 15	No. 15	10		



Thread Repair Workshop Kits

with Machine Inserting Tools
 and STI-Machine Taps (Spiral Point)

Kit Ripristina Filetti

con utensile per il montaggio a macchina
 e Maschi STI a Macchina con imbocco corretto



					Art.-No.	€
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VC87 / M 5 - M 12

M 5 x 0.8	5.2 mm	M 5	No. 8	25	04087	180,00
M 6 x 1.0	6.3 mm	M 6	No. 9	25		
M 8 x 1.25	8.3 mm	M 8	No. 11	25		
M 10 x 1.5	10.4 mm	M 10	No. 13	25		
M 12 x 1.75	12.4 mm	M 12	No. 15	10		



Oil Sump Repair Workshop Kits

for oil drain screw threads





HexTap OS, screws and retainer ring

Gamma riparazione coppa olio

per filetti do parafuso de drenagem do óleo

HexTap OS, viti e anelli di tenuta



				Art.-No.	€
OS 20					
M 13 x 1.5	5	10		19120	65,00
M 15 x 1.5	5	10			
M 17 x 1.5	5	10			
OS 21					
M 20 x 1.5	5	10	10	19121	65,00
M 24 x 1.5	5	10	10		
OS 22					
M 13 x 1.5	3	3		19122	110,00
M 15 x 1.5	3	3			
M 17 x 1.5	3	3			
M 20 x 1.5	3	3	3		
M 24 x 1.5	3	3	3		





INSERTING TOOLS UTENSILI PER IL MONTAGGIO



Advantages:

- easy handling
- one tool for various dimensions

Vantaggi:

- Facile utilizzo
- Un unico utensile per più grandezze



Advantages:

- with Hexagon Drive
- to be used by hand or cordless powertool
- no adjustment by hand while assembling
- handy, even in awkward places

Vantaggi:

- Con attacco esagonale
- Per uso a mano o per uso con avvitatori a batteria
- Nessun tipo di regolazione a mano durante l'impiego
- A mano per uso anche in luoghi ristretti



INSERTING TOOLS UTENSILI PER IL MONTAGGIO

Inserting Tools with locking ring
Utensili per il Montaggio manuale con anello d'arresto

42

Inserting Tools with Hexagon Drive
Utensile per il Montaggio con attacco esagonale

43 - 44

Machine Inserting Tool
Utensile per il Montaggio a Macchina

45

Tang Break Tools
Attrezzi rottura codolo

46

Extracting Tools
Estrattori

46



Inserting Tools
with locking ring

Utensili per il Montaggio manuale
con anello d'arresto




No.	Metric Metrico	UNC / UNF BSW / BSF	Art.No.	€
2	M 2 x 0.4 M 2.2 x 0.45	UNC No. 2	08002	5,70
3	M 2.5 x 0.45		08003	5,70
4	M 3 x 0.5	UNC No. 5 UNC/UNF No. 4 BSW 1/8	08004	5,70
5	M 3.5 x 0.6	UNC/UNF No. 6	08005	5,70
6	M 4 x 0.7	UNC/UNF No. 8 BSW 3/16	08006	5,70
7		UNC No. 10 UNF No. 10	08007	5,70
8	M 5 x 0.8	UNC No. 12 BSW 3/16	08008	5,70
9	M 6 x 1.0	UNC/UNF 1/4 BSW/BSF 1/4	08009	5,70
10	M 7 x 1.0	UNC/BSW 5/16	08010	6,50
11	M 8 x 1.25 M 8 x 1.0	UNF/BSF 5/16	08011	6,50
12	M 9 x 1.25 M 9 x 1.0	UNC/BSW 3/8	08012	7,00
13	M 10 x 1.5 M 10 x 1.0 M 10 x 1.25	UNF/BSF 3/8	08013	7,00
14	M 11 x 1.5 M 11 x 1.25	UNC/UNF 7/16 BSW/BSF 7/16	08014	8,20
15	M 12 x 1.75 M 12 x 1.5 M 12 x 1.25 M 12 x 1.0	UNC/UNF 1/2 BSW/BSF 1/2	08015	8,20
16	M 14 x 2.0 M 14 x 1.5	UNC/UNF 9/16 BSW/BSF 9/16	08016	9,80
17	M 14 x 1.25 M 14 x 1.0		08017	9,80
18	M 16 x 2.0 M 16 x 1.5	UNC/UNF 5/8 BSW/BSF 5/8	08018	10,80
20	M 18 x 2.5 M 18 x 2.0 M 18 x 1.5	UNC 3/4 BSW/BSF 3/4	08020	10,80
21	M 20 x 2.5 M 20 x 2.0 M 20 x 1.5	UNF 3/4	08021	10,80
22	M 22 x 2.5 M 22 x 2.0 M 22 x 1.5	UNC/UNF 7/8 BSW/BSF 7/8	08022	13,60
23	M 24 x 3.0 M 24 x 2.0 M 24 x 1.5	UNC/UNF 1" BSW/BSF 1"	08023	13,60



Inserting Tools
with Hexagon Drive

Utensile per il Montaggio
con attacco esagonale




Nominal Diameter D		Art.No.	€
M			
M 2.5 x 0.45	1/4"	08090	5,70
M 3 x 0.5	1/4"	08091	5,70
M 4 x 0.7	1/4"	08092	5,70
M 5 x 0.8	1/4"	08093	5,70
M 6 x 1.0	1/4"	08094	5,70
M 8 x 1.25	1/4"	08095	6,50
M 10 x 1.5	1/4"	08096	7,00
M 12 x 1.75	1/4"	08097	8,20
M 26 x 1.5	1/2"	08024	15,50
M 27 x 3.0	1/2"	08025	15,50
M 27 x 2.0	1/2"	08026	15,50
M 27 x 1.5	1/2"	08027	15,50
M 28 x 1.5	1/2"	08028	15,50
M 30 x 3.5	1/2"	08029	18,60
M 30 x 2.0	1/2"	08030	18,60
M 30 x 1.5	1/2"	08031	18,60
M 33 x 3.5	1/2"	08032	21,60
M 33 x 2.0	1/2"	08033	21,60
M 36 x 4.0	1/2"	08034	21,60
M 36 x 3.0	1/2"	08035	21,60
M 36 x 2.0	1/2"	08036	21,60
M 36 x 1.5	1/2"	08037	21,60
M 39 x 4.0	3/4"	08038	30,00
M 39 x 3.0	3/4"	08039	30,00
M 40 x 3.0	3/4"	08040	30,00
M 42 x 4.5	3/4"	08041	35,00
M 42 x 3.0	3/4"	08042	35,00
M 45 x 4.5	3/4"	08043	35,00
M 45 x 3.0	3/4"	08044	35,00
M 48 x 5.0	3/4"	08045	37,00
M 48 x 3.0	3/4"	08046	37,00
M 50 x 3.0	3/4"	08047	42,00
M 52 x 5.0	3/4"	08048	42,00
M 52 x 3.0	3/4"	08049	42,00
G (BSP)			
1/8 x 28	1/4"	08080	9,30
1/4 x 19	1/4"	08081	9,30
3/8 x 19	1/4"	08082	10,80
1/2 x 14	1/4"	08083	12,40
5/8 x 14	1/2"	08084	15,50
3/4 x 14	1/2"	08085	15,50
7/8 x 14	1/2"	08086	21,60
1" x 11	1/2"	08087	21,60



Inserting Tools
with Hexagon Drive

Utensile per il Montaggio
con attacco esagonale



Nominal Diameter D		Art.No.	€
UNC			
1.1/8 x 7.0	1/2"	08050	18,60
1.1/4 x 7.0	1/2"	08051	18,60
1.3/8 x 6.0	1/2"	08052	21,60
1.1/2 x 6.0	1/2"	08053	21,60
UNF			
1.1/8 x 12	1/2"	08060	18,60
1.1/4 x 12	1/2"	08061	18,60
1.3/8 x 12	1/2"	08062	21,60
1.1/2 x 12	1/2"	08063	21,60
UNx8			
1.1/8 x 8	1/2"	08741	18,60
1.1/4 x 8	1/2"	08742	18,60
1.3/8 x 8	1/2"	08743	21,60
1.1/2 x 8	1/2"	08744	21,60
1.5/8 x 8	3/4"	08745	35,00
1.3/4 x 8	3/4"	08746	40,00
1.7/8 x 8	3/4"	08747	42,00
2" x 8	3/4"	08748	49,50

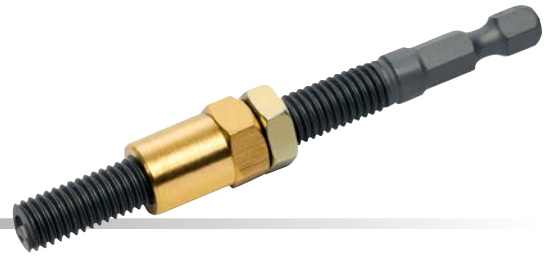




Machine Inserting Tool

with 1/4" Hexagon Drive

Utensile per il Montaggio a Macchina

con attacco esagonale 1/4"



Nominal Diameter D	L 1			Art.No.	€
M					
M 3 x 0.5	46	6	1/4"	08070	8,00
M 4 x 0.7	56	7	1/4"	08071	8,00
M 5 x 0.8	62	8	1/4"	08072	8,00
M 6 x 1.0	76	10	1/4"	08073	8,00
M 8 x 1.25	85	12	1/4"	08074	9,80
M 10 x 1.5	96	14	1/4"	08075	10,80
M 12 x 1.75	107	16	1/4"	08076	12,00



Tang Break Tools

Attrezzi rottura codolo



No.	Metric Metrico	UNC / UNF BSW / BSF	Art.No.	€
2	M 2 x 0.4 M 2.2 x 0.45	UNC No. 2	07002	2,40
3	M 2.5 x 0.45		07003	2,40
4	M 3 x 0.5	UNC/UNF No. 4	07004	2,40
5	M 3.5 x 0.6	UNC/UNF No. 6	07005	2,40
6	M 4 x 0.7	UNC No. 10 UNC/UNF No. 8 BSF 3/16 UNF No. 10	07006	2,40
8	M 5 x 0.8	UNC No. 12 BSW 3/16	07008	2,40
9	M 6 x 1.0	UNC/UNF 1/4 BSW/BSF 1/4	07009	2,40
11	M 8 x 1.0 M 8 x 1.25	UNC/UNF 5/16 BSW/BSF 5/16	07011	2,70
12	M 9 x 1.0 M 9 x 1.25	UNC 3/8 BSW/BSF 3/8	07012	2,70
13	M 10 x 1.5			
13	M 10 x 1.0 M 10 x 1.25	UNF 3/8	07013	2,70
14	M 11 x 1.5 M 11 x 1.25	UNC/UNF 7/16 BSW/BSF 7/16	07014	3,25
15	M 12 x 1.75 M 12 x 1.5 M 12 x 1.25 M 12 x 1.0	UNC/UNF 1/2 BSW/BSF 1/2	07015	3,25

V-COIL rapid

3	M 2,5 x 0.45	1/4" ⬡	07090	2,40
4	M 3 x 0.5	1/4" ⬡	07091	2,40
6	M 4 x 0.7	1/4" ⬡	07092	2,40
8	M 5 x 0.8	1/4" ⬡	07093	2,40
9	M 6 x 1.0	1/4" ⬡	07094	2,40
11	M 8 x 1.25	1/4" ⬡	07095	2,70
13	M 10 x 1.5	1/4" ⬡	07096	2,70
15	M 12 x 1.75	1/4" ⬡	07097	3,25

Extracting Tools

Estrattori



No.	Metric Metrico	Inch pollice	Art.-No.	€
2	M 3 - M 10	3/16 - 3/8	07052	12,00
3	M 11 - M 24	3/8 - 1"	07053	14,60



STI-TAPS MASCHI STI

	M MF	BSW BSF	UNC UNF UNX8	G BSP
Second Lead (Form D) Imbocco Forma D	48	52	50	54
Sets of 2 pcs. Set di 2 pz.	49		51	53
Spiral Point Imbocco coretto	56			
Spiral Flute Elicoidali	57			
Spark Plug Taps Maschi combinati STI per candele	55			
Fluteless Taps Maschi a rullare	58			
STI-Drills Punte STI	61			

V-COIL rapid + AUTOMOTIVE

STI-Taps Maschi STI	59			
STI-Drills Punte STI	59			
HexTap OS	60			
HexTap SP	60			
HexTap LS	60			
Oil Drain Screws Tappo di scarico dell'olio	62			
Retainer Ring OS anelli di tenuta	62			

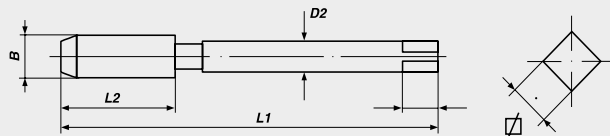


STI-Taps (Second Lead)
for Wire-Thread-Inserts ISO 2 (6H)

Maschi STI
per inserti riportati dopo ISO 2 (6H)



Form D	HSS-G	Tol. ISO1 (4H)						M
Nominal Diameter D	P	B	L1	L2	D2	∅	Art.-No.	€
M 2	x 0.40	2.5	44.5	9.5	2.8	2.24	03001	6,60
M 2.5	x 0.45	3.1	48.0	11.0	3.15	2.50	03003	6,60
M 3	x 0.5	3.6	53.0	13.0	4.0	3.15	03005	5,80
M 3.5	x 0.6	4.3	53.0	13.0	4.5	3.55	03006	5,80
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03007	5,80
M 5	x 0.8	6.0	66.0	19.0	6.3	5.00	03008	5,80
M 6	x 1.0	7.3	72.0	22.0	8.0	6.30	03009	5,80
M 7	x 1.0	8.3	72.0	22.0	9.0	7.10	03010	7,20
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03011	7,20
M 8	x 1.0	9.3	80.0	24.0	10.0	8.00	03012	7,20
M 9	x 1.25	10.6	85.0	25.0	8.0	6.30	03013	8,80
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03015	8,80
M 10	x 1.25	11.6	85.0	25.0	8.0	6.30	03016	8,80
M 10	x 1.0	11.3	85.0	25.0	8.0	6.30	03017	8,80
M 11	x 1.5	12.9	89.0	29.0	9.0	7.10	03018	10,00
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03020	10,00
M 12	x 1.5	14.0	95.0	30.0	11.2	9.00	03021	12,20
M 12	x 1.25	13.6	95.0	30.0	11.2	9.00	03022	12,20
M 12	x 1.0	13.3	95.0	30.0	11.2	9.00	03023	12,20
M 14	x 2.0	16.6	102.0	32.0	12.5	10.00	03027	13,90
M 14	x 1.5	16.0	102.0	32.0	12.5	10.00	03028	13,90
M 14	x 1.25	15.6	102.0	32.0	12.5	10.00	03029	13,90
M 14	x 1.0	15.3	102.0	32.0	12.5	10.00	03030	13,90
M 16	x 2.0	18.6	112.0	37.0	14.0	11.20	03033	17,50
M 16	x 1.5	18.0	104.0	29.0	14.0	11.20	03034	17,50
M 18	x 2.5	21.3	118.0	38.0	16.0	12.50	03035	22,00
M 18	x 2.0	20.6	104.0	29.0	14.0	11.20	03036	22,00
M 18	x 1.5	20.0	104.0	29.0	14.0	11.20	03037	22,00
M 20	x 2.5	23.3	118.0	38.0	16.0	12.50	03038	24,30
M 20	x 2.0	22.6	113.0	33.0	16.0	12.50	03039	24,30
M 20	x 1.5	22.0	113.0	33.0	16.0	12.50	03040	24,30
M 22	x 2.5	25.3	130.0	45.0	18.0	14.00	03041	28,00
M 22	x 2.0	24.6	120.0	35.0	18.0	14.00	03042	28,00
M 22	x 1.5	24.0	120.0	35.0	18.0	14.00	03043	28,00
M 24	x 3.0	27.9	138.0	48.0	20.0	16.00	03044	35,30
M 24	x 2.0	26.6	127.0	37.0	20.0	16.00	03045	35,30
M 24	x 1.5	26.0	120.0	35.0	18.0	14.00	03046	35,30





STI-Taps, set of 2 pcs.
for Wire-Thread-Inserts ISO 2 (6H)

Maschi STI, Set di 2 pz.
per inserti riportati dopo ISO 2 (6H)

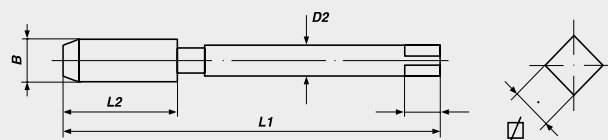


HSS-G

Tol. ISO1 (4H)

M

Nominal Diameter D	P	B	L1	L2	D2	∅	Art.-No.	€
M 26	x 1.5	28.0	127	37	20.0	16.0	03049	115,00
M 27	x 3.0	30.9	151	51	22.4	18.0	03050	115,00
M 27	x 2.0	29.6	127	37	20.0	16.0	03051	115,00
M 27	x 1.5	29.0	127	37	20.0	16.0	03052	115,00
M 28	x 1.5	30.0	127	37	20.0	16.0	03053	115,00
M 30	x 3.5	34.6	162	57	25.0	20.0	03054	151,00
M 30	x 2.0	32.6	137	37	22.4	18.0	03055	151,00
M 30	x 1.5	32.0	137	37	22.4	18.0	03056	151,00
M 33	x 3.5	37.6	162	57	25.0	20.0	03057	158,00
M 33	x 2.0	35.6	144	37	25.0	20.0	03058	158,00
M 36	x 4.0	41.2	170	60	28.0	22.4	03060	175,00
M 36	x 3.0	39.9	170	60	28.0	22.4	03061	175,00
M 36	x 2.0	38.6	150	39	28.0	22.4	03062	175,00
M 36	x 1.5	38.0	150	39	28.0	22.4	03063	175,00
M 39	x 4.0	44.2	187	67	31.5	28.0	03064	270,00
M 39	x 3.0	42.9	149	39	28.0	26.0	03065	230,00
M 40	x 3.0	43.9	149	39	28.0	26.0	03066	230,00
M 42	x 4.5	47.9	187	67	31.5	28.0	03067	380,00
M 42	x 3.0	45.9	165	45	31.5	28.0	03068	250,00
M 45	x 4.5	50.9	200	70	35.5	31.0	03069	380,00
M 45	x 3.0	48.9	175	45	35.5	31.0	03070	290,00
M 48	x 5.0	54.5	200	70	35.5	31.0	03071	470,00
M 48	x 3.0	51.9	175	45	35.5	31.0	03072	320,00
M 50	x 3.0	53.9	175	45	35.5	31.0	03073	350,00
M 52	x 5.0	58.5	221	76	40.0	34.0	03074	650,00
M 52	x 3.0	55.9	193	48	40.0	34.0	03075	550,00





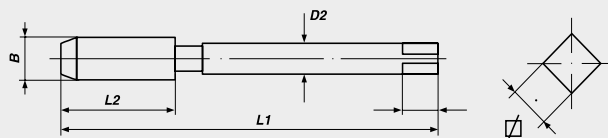
STI-Taps (Second Lead)
for Wire-Thread-Inserts Tolerance 2B

Maschi STI
per inserti riportati dopo tolleranza 2B



Form D HSS-G Tol. 3B UNC/UNF

Nominal Diameter D	B	L1	L2	D2	∩	Art.-No.	€
UNC/NC							
No. 2 x 56	2.8	48.0	10.0	3.15	2.5	03100	8,80
No. 4 x 40	3.7	53.0	13.0	4.0	3.15	03101	8,80
No. 5 x 40	4.0	53.0	13.0	4.0	3.15	03102	8,80
No. 6 x 32	4.5	58.0	16.0	5.0	4.00	03103	8,80
No. 8 x 32	5.2	62.0	17.0	5.6	4.50	03104	8,80
No. 10 x 24	6.2	66.0	19.0	6.3	5.00	03105	8,80
No. 12 x 24	6.9	66.0	19.0	7.1	5.60	03106	8,80
1/4 x 20	8.0	72.0	22.0	8.0	6.30	03107	5,80
5/16 x 18	9.8	80.0	24.0	10.0	8.00	03108	6,30
3/8 x 16	11.6	85.0	25.0	8.0	6.30	03109	6,60
7/16 x 14	13.5	95.0	30.0	11.2	9.00	03110	8,80
1/2 x 13	15.2	102.0	32.0	12.5	10.00	03111	10,00
9/16 x 12	17.0	112.0	37.0	14.0	11.20	03112	16,60
5/8 x 11	18.9	112.0	37.0	14.0	11.20	03113	20,50
3/4 x 10	22.4	118.0	38.0	16.0	12.50	03114	24,90
7/8 x 9	25.9	130.0	45.0	18.0	14.00	03115	36,00
1" x 8	29.5	138.0	48.0	20.0	16.00	03116	36,00
UNF/NF							
No. 4 x 48	3.5	53.0	13.0	4.0	3.15	03151	8,80
No. 6 x 40	4.3	53.0	13.0	4.5	3.55	03152	8,80
No. 8 x 36	5.1	62.0	17.0	5.6	4.50	03153	8,80
No. 10 x 32	5.9	66.0	19.0	6.3	5.00	03154	8,80
1/4 x 28	7.5	69.0	19.0	8.0	6.30	03155	5,80
5/16 x 24	9.3	76.0	20.0	10.0	8.00	03156	6,30
3/8 x 24	10.9	82.0	22.0	8.0	6.30	03157	6,60
7/16 x 20	12.8	84.0	24.0	9.0	7.10	03158	8,80
1/2 x 20	14.4	90.0	25.0	11.2	9.00	03159	10,00
9/16 x 18	16.1	104.0	29.0	12.5	10.00	03160	16,60
5/8 x 18	17.7	104.0	29.0	14.0	11.20	03161	20,50
3/4 x 16	21.1	104.0	29.0	14.0	11.20	03162	24,90
7/8 x 14	24.6	120.0	35.0	18.0	14.00	03163	36,00
1" x 12	28.2	127.0	37.0	20.0	16.00	03164	36,00
1" x 14	27.8	127.0	37.0	20.0	16.00	03165	36,00





STI-Taps, sets of 2 pcs.
for Wire-Thread-Inserts Tolerance 2B

Maschi STI, Set di 2 pz.
per inserti riportati dopo tolleranza 2B

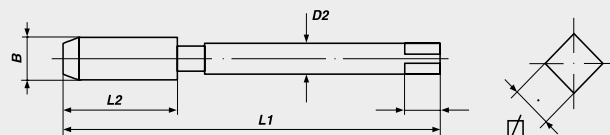


HSS-G

Tol. 3B

UNC/UNF

Nominal Diameter D	B	L1	L2	D2	∅	Art.-No.	€
UNC/NC							
1.1/8 x 7	33.3	151	51	22.4	18.0	03117	107,00
1.1/4 x 7	36.5	162	57	25.0	20.0	03118	130,00
1.3/8 x 6	40.4	170	60	28.0	22.4	03119	157,00
1.1/2 x 6	43.6	187	67	31.5	25.0	03120	210,00
UNF/NF							
1.1/8 x 12	31.3	137	37	22.4	18.0	03166	107,00
1.1/4 x 12	34.5	144	39	25.0	20.0	03167	130,00
1.3/8 x 12	37.7	150	39	28.0	22.4	03168	157,00
1.1/2 x 12	40.9	150	39	28.0	22.4	03169	210,00
UNx8							
1.1/8 x 8	1.1/4	151	51	22.4	18.0	03191	107,00
1.1/4 x 8	1.3/8	162	57	25.0	20.0	03192	130,00
1.3/8 x 8	1.1/2	170	60	28.0	22.4	03193	157,00
1.1/2 x 8	1.5/8	170	60	28.0	22.4	03194	210,00
1.5/8 x 8	1.3/4	187	67	31.5	25.0	03195	220,00
1.3/4 x 8	1.7/8	187	67	31.5	25.0	03196	320,00
1.7/8 x 8	2"	200	70	35.5	28.0	03197	320,00
2" x 8	2.1/8	200	70	35.5	28.0	03198	635,00





STI-Taps (Second Lead)
for Wire-Thread-Inserts

Maschi STI
per inserti riportati

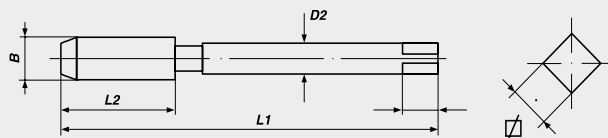


Form D

HSS-G

BSW/BSF

Nominal Diameter D	B	L1	L2	D2	∩	Art.-No.	€
BSW							
1/8 x 40	3.9	53.0	13.0	4.0	3.15	03201	5,80
3/16 x 24	6.0	56.0	19.0	6.3	5.00	03202	5,80
1/4 x 20	7.8	72.0	22.0	8.0	6.30	03203	5,80
5/16 x 18	9.6	80.0	24.0	10.0	8.00	03204	6,30
3/8 x 16	11.4	85.0	25.0	8.0	6.30	03205	6,60
7/16 x 14	13.2	95.0	30.0	11.2	9.00	03206	8,80
1/2 x 12	15.2	102.0	32.0	12.5	10.00	03207	10,00
9/16 x 12	16.8	102.0	32.0	12.5	10.00	03208	16,60
5/8 x 11	18.6	112.0	37.0	14.0	11.20	03209	20,50
11/16 x 11	20.2	112.0	37.0	14.0	11.20	03210	24,90
3/4 x 10	22.0	118.0	38.0	16.0	12.50	03211	24,90
7/8 x 9	25.5	130.0	45.0	18.0	14.00	03212	36,00
1" x 8	29.1	138.0	48.0	20.0	16.00	03213	36,00
BSF							
3/16 x 32	5.7	66.0	19.0	6.3	5.00	03251	5,80
1/4 x 26	7.5	72.0	22.0	8.0	6.30	03253	5,80
5/16 x 22	9.3	80.0	24.0	10.0	8.00	03255	6,30
3/8 x 20	11.0	85.0	25.0	8.0	6.30	03256	6,60
7/16 x 18	12.8	89.0	29.0	9.0	7.10	03257	8,80
1/2 x 16	14.6	95.0	30.0	11.2	9.00	03258	10,00
9/16 x 16	16.2	102.0	32.0	12.5	10.00	03259	16,60
5/8 x 14	18.0	112.0	37.0	14.0	11.20	03260	20,50
11/16 x 14	19.6	112.0	37.0	14.0	11.20	03261	24,90
3/4 x 12	21.5	118.0	38.0	16.0	12.50	03262	24,90
7/8 x 11	24.9	130.0	45.0	18.0	14.00	03264	36,00
1" x 10	28.4	138.0	48.0	20.0	16.00	03265	36,00





STI-Taps, sets of 2 pcs.
for Wire-Thread-Inserts

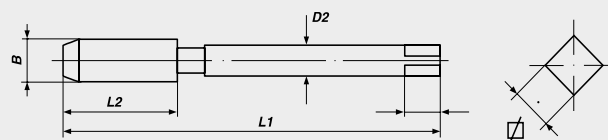
Maschi STI, Set di 2 pz.
per inserti riportati



HSS-G

G (BSP)

Nominal Diameter D	B	L1	L2	D2	∩	Art.-No.	€
G (BSP)							
1/8 x 28	10.8	59	15	8.0	6.3	03311	16,50
1/4 x 19	14.7	67	19	11.2	9.0	03312	21,00
3/8 x 19	18.3	75	21	14.0	11.2	03313	27,30
1/2 x 14	23.1	87	26	16.0	12.5	03314	44,50
5/8 x 14	25.1	91	26	18.0	14.0	03315	65,20
3/4 x 14	28.6	96	28	20.0	16.0	03316	65,20
7/8 x 14	32.4	102	29	22.4	18.0	03318	104,00
1" x 11	36.0	109	33	25.0	20.0	03317	104,00





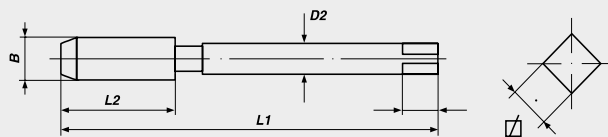
STI-Taps (Second Lead)
for Wire-Thread-Inserts

Maschi STI
per inserti riportati



Form D HSS-G

Nominal Diameter D	B	L1	L2	D2	∅	Art.-No.	€
G (BSP)							
1/8 x 28	10.8	59.0	15.0	8.0	6.30	03301	8,30
1/4 x 19	14.7	67.0	19.0	11.2	9.00	03302	10,50
3/8 x 19	18.3	75.0	21.0	14.0	11.20	03303	13,60
1/2 x 14	23.1	87.0	26.0	16.0	12.50	03304	22,20
5/8 x 14	25.0	91.0	26.0	18.0	14.00	03305	32,60
3/4 x 14	28.6	96.0	28.0	20.0	16.00	03306	32,60
1" x 11	36.0	109.0	33.0	25.0	20.00	03307	52,00
BA							
BA 0	7.1	66.0	19.0	7.1	5.60	03321	5,80
BA 2	5.6	66.0	19.0	6.3	5.00	03323	5,80
BA 4	4.4	53.0	13.0	4.5	3.55	03325	5,80
BA 6	3.4	50.0	13.0	3.55	2.80	03327	5,80
BS. Brass							
1/4 x 26	7.5	69.0	19.0	8.0	6.30	03341	7,50
5/16 x 26	9.1	76.0	20.0	10.0	8.00	03342	8,30
3/8 x 26	10.7	82.0	22.0	8.0	6.30	03343	8,80
7/16 x 26	12.3	84.0	24.0	9.0	7.10	03344	11,20
1/2 x 26	13.9	90.0	25.0	11.2	9.00	03345	16,50





STI-Spark Plug Taps with Pilot Nose

for Wire-Thread-Inserts ISO 2 (6H)

Maschi combinati STI per candele

per inserti riportati dopo ISO 2 (6H)

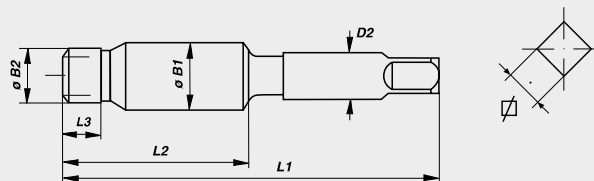


HSS-G

Tol. ISO 1 (4H)

M

Nominal Diameter D	P	B1	B2	L3	L2	L1	D2	∅	Art.-No.	€
M 6	x 1.0	7.3	6	7	28	70	8	6.3	03630	11,00
M 8	x 1.25	9.6	8	9	32	75	8	6.3	03631	12,00
M 10	x 1.5	11.9	10	9	37	80	9	7.1	03632	15,40
M 10	x 1.25	11.6	10	8	30	74	8	6.3	03637	15,40
M 10	x 1.0	11.3	10	8	30	74	8	6.3	03633	15,40
M 12	x 1.25	13.6	12	9	32	75	9	7.1	03634	20,00
M 14	x 1.25	15.6	14	10	45	90	12	9.2	03635	23,20
M 18	x 1.5	20.0	18	10	47	116	16	12.5	03636	33,20





STI-Machine Taps (Spiral Point)

for Wire-Thread-Inserts ISO 2 (6H)

Maschi STI a Macchina con imbocco coretto

per inserti riportati dopo ISO 2 (6H)



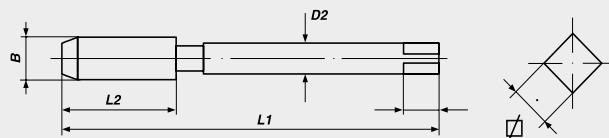
Form B

HSS-E

Tol. ISO 1 (4H)

M

Nominal Diameter D	P	B	L1	L2	D2	∅	Art.-No.	€
M 3	x 0.5	3.6	53.0	13.0	4.0	3.15	03505	6,60
M 3.5	x 0.6	4.3	53.0	13.0	4.5	3.55	03506	6,60
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03507	6,60
M 5	x 0.8	6.0	66.0	19.0	6.3	5,00	03508	7,50
M 6	x 1.0	7.3	72.0	22.0	8.0	6.40	03509	7,80
M 7	x 1.0	8.3	72.0	22.0	9.0	7.10	03510	9,50
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03511	9,50
M 8	x 1.0	9.3	80.0	24.0	10.0	8.00	03512	9,50
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03515	12,00
M 10	x 1.0	11.3	85.0	25.0	8.0	6.30	03517	12,00
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03520	18,00
M 12	x 1.5	14.0	95.0	30.0	11.2	9.00	03521	18,30
M 12	x 1.25	13.6	95.0	30.0	11.2	9.00	03522	18,30
M 14	x 2.0	16.6	102.0	32.0	12.5	10.00	03527	21,50
M 14	x 1.5	16.0	102.0	32.0	12.5	10.00	03528	21,50
M 14	x 1.25	15.6	102.0	32.0	12.5	10.00	03529	21,50
M 16	x 2.0	18.6	112.0	37.0	14.0	11.20	03533	22,50





STI-Machine Taps (Spiral Flute)

for Wire-Thread-Inserts ISO 2 (6H)

Maschi STI a Macchina Elicoidali

per inserti riportati dopo ISO 2 (6H)



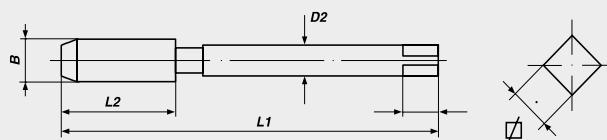
Form C/35°RSP

HSS-E

Tol. ISO 1 (4H)

M

Nominal Diameter D	P	B	L1	L2	D2	∩	Art.-No.	€
M 3	x 0.5	3.6	53.0	13.0	4.0	3.15	03705	6,60
M 3.5	x 0.6	4.3	53.0	13.0	4.5	3.55	03706	6,60
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03707	6,60
M 5	x 0.8	6.0	66.0	19.0	6.3	5.00	03708	7,20
M 6	x 1.0	7.3	72.0	22.0	8.0	6.40	03709	7,50
M 7	x 1.0	8.3	72.0	22.0	9.0	7.10	03710	9,50
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03711	9,50
M 8	x 1.0	9.3	80.0	24.0	10.0	8.00	03712	9,50
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03715	11,40
M 10	x 1.0	11.3	85.0	25.0	8.0	6.30	03717	11,40
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03720	18,00
M 12	x 1.5	14.0	95.0	30.0	11.2	9.00	03721	18,30
M 12	x 1.25	13.6	95.0	30.0	11.2	9.00	03722	18,30
M 14	x 2.0	16.6	102.0	32.0	12.5	10.00	03727	21,30
M 14	x 1.5	16.0	102.0	32.0	12.5	10.00	03728	21,30
M 14	x 1.25	15.6	102.0	32.0	12.5	10.00	03729	21,30
M 16	x 2.0	18.6	112.0	37.0	14.0	11.20	03733	22,50





STI-Fluteless Taps
for Wire-Thread-Inserts ISO 2 (6H)

Maschi a rullare STI
per inserti riportati dopo ISO 2 (6H)



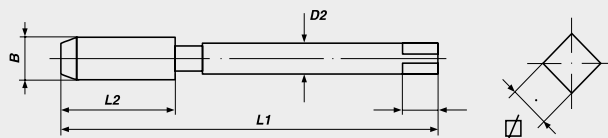
HSS-E Tol. ISO 1 (4H)

M

Nominal Diameter D	P	B	L1	L2	D2	∩	Art.-No.	€
M 3	x 0.5	3.6	53.0	13.0	4.0	3.15	03605	10,00
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03607	10,80
M 5	x 0.8	6.0	66.0	19.0	6.3	5,00	03608	10,80
M 6	x 1.0	7.3	72.0	22.0	8.0	6.40	03609	12,40
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03611	14,90
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03615	17,60
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03620	24,90

RECOMMENDED CORE HOLE DIAMETER
PREFORI PER MASCHI RACCOMANDATO

D	M 3	M 4	M 5	M 6	M 8	M 10	M 12
∅	3,4	4,6	5,6	6,8	9,0	11,2	13,4





STI-Taps V-COIL rapid
 for Wire-Thread-Inserts ISO 2 (6H)

Maschi STI V-COIL rapid
 per inserti riportati dopo ISO 2 (6H)

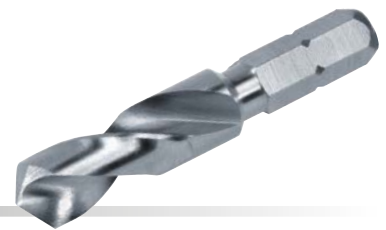


Form D HSS-G Tol. ISO 1 (4H) **M**

Nominal Diameter D	B	L 1	L 2	⊘	Art.-No.	€
M 2.5 x 0.45	3.1	36.0	11.0	1/4"	03090	3,50
M 3 x 0.5	3.6	36.0	11.0	1/4"	03091	3,50
M 4 x 0.7	4.9	36.0	13.0	1/4"	03092	3,70
M 5 x 0.8	6.0	36.0	16.0	1/4"	03093	3,70
M 6 x 1.0	7.3	36.0	17.0	1/4"	03094	5,40
M 8 x 1.25	9.6	42.0	20.0	1/4"	03095	7,30
M 10 x 1.5	11.9	50.0	24.0	1/4"	03096	9,70
M 12 x 1.75	14.3	50.0	29.0	1/4"	03097	10,50

STI-Drills V-COIL rapid

Punte STI V-COIL rapid



Nominal Diameter D	L 1	S 2	⊘	Art.-No.	€
2.6 mm	36.0	16.0	1/4"	03080	3,60
3.2 mm	36.0	16.0	1/4"	03081	3,60
4.2 mm	36.0	16.0	1/4"	03082	3,60
5.2 mm	46.0	26.0	1/4"	03083	3,60
6.3 mm	46.0	26.0	1/4"	03084	3,60
8.3 mm	46.0	26.0	1/4"	03085	4,60
10.4 mm	50.0	33.5	1/4"	03086	6,00
12.4 mm	50.0	33.5	1/4"	03087	7,10



HexTap OS

for oil drain screw threads

HexTap OS

per filetti do parafuso de drenagem do óleo



Multi-Drive HSS-G Tol. ISO2 (6H)

Nominal Diameter D	Typ	L 1	L 2	SW 1	SW 2	Art.-No.	€
M 13 x 1.5	OS	50	21	16	4	19002	17,50
M 15 x 1.5	OS	50	21	16	4	19003	17,50
M 17 x 1.5	OS	50	21	16	5	19004	20,00
M 20 x 1.5	OS	50	21	16	6	19005	24,00
M 24 x 1.5	OS	50	21	16	8	19006	29,00

HexTap SP

for spark plug thread M 14x1,25

HexTap SP

per filetti della candela di accensione M 14x1,25



Multi-Drive HSS-G Tol. ISO2 (6H)

Nominal Diameter D	Typ	L 1	L 2	SW 1	SW 2	Art.-No.	€
M 16 x 1.25	SP	70	41	16	4	19001	29,50

HexTap LS

for oxygen sensor thread M 18x1,5

HexTap LS

per filetti sonda Lambda M 18x1,5



Multi-Drive HSS-G Tol. ISO2 (6H)


Nominal Diameter D	Typ	L 1	L 2	SW 1	SW 2	Art.-No.	€
M 18 x 1,5	LSN	40	27	14	6,3	19008	18,00
M 20 x 1,5	LS	50	21	14	6,3	19007	25,00



STI-Drills

Punte STI



Nominal Diameter D		Art.No.	€
2.1 mm	10	VC 021	0,80
2.3 mm	10	VC 023	0,80
2.4 mm	10	VC 024	0,80
2.6 mm	10	VC 026	1,00
3.0 mm	10	VC 030	1,00
3.1 mm	10	VC 031	1,10
3.2 mm	10	VC 032	1,10
3.4 mm	10	VC 034	1,10
3.7 mm	10	VC 037	1,15
3.8 mm	10	VC 038	1,15
4.2 mm	10	VC 042	1,30
4.4 mm	10	VC 044	1,30
4.5 mm	10	VC 045	1,30
5.0 mm	10	VC 050	1,40
5.1 mm	10	VC 051	1,70
5.2 mm	10	VC 052	1,70
5.8 mm	10	VC 058	1,90
5.9 mm	10	VC 059	1,90
6.0 mm	10	VC 060	1,90
6.2 mm	10	VC 062	2,20
6.3 mm	10	VC 063	2,20
6.6 mm	10	VC 066	2,40
6.7 mm	10	VC 067	2,40
7.3 mm	10	VC 073	2,70
8.3 mm	10	VC 083	4,20
9.3 mm	10	VC 093	4,20
9.8 mm	10	VC 098	4,60
9.9 mm	10	VC 099	4,60
10.3 mm	5	VC 103	6,00
10.4 mm	5	VC 104	6,00
11.4 mm	5	VC 114	7,60
11.5 mm	5	VC 115	7,60
11.6 mm	5	VC 116	7,60
12.3 mm	5	VC 123	9,50
12.4 mm	5	VC 124	9,50
13.0 mm	5	VC 130	9,50

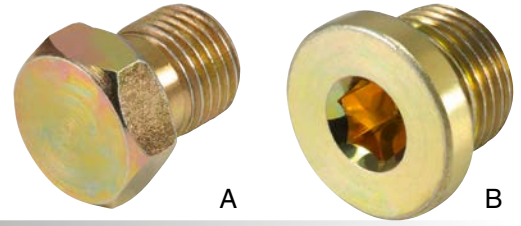



Oil Drain Screws

for oil sump threads

Tappo di scarico dell'olio

per filetti de drenagem do òleo



Nominal Diameter D	Type Tipo	 Piece pezzo	Art.-No.	price €
M 13 x 1.5	A	10	19130	26,00
M 15 x 1.5	A	10	19131	26,00
M 17 x 1.5	B	10	19132	26,00
M 20 x 1.5	B	10	19133	26,00
M 24 x 1.5	B	10	19134	26,00

Retainer Ring OS

for oil drain screws

from copper (CU) and aluminium (ALU)



anelli di tenuta OS

per tappo di scarico dell'olio

di rame (CU) ed alluminio (Alu)

Size	Type Tipo	for screws per vite	Piece pezzo	Art.-No.	price €
15 x 19 x 1.5 mm	CU	M 13 x 1.5 M 15 x 1.5	25	19140	8,00
17 x 21 x 1.5 mm	CU	M 17 x 1.5	25	19141	8,00
20 x 24 x 1.5 mm	CU	M 20 x 1.5	25	19142	8,00
20 x 24 x 1.5 mm	ALU	M 20 x 1.5	25	19143	7,50
24 x 29 x 2.0 mm	CU	M 24 x 1.5	25	19144	8,00
24 x 29 x 2.0 mm	ALU	M 24 x 1.5	25	19145	7,50



RECOMMENDED TAPPING DRILL SIZES V-COIL PREFORI PER MASCHI RACCOMANDATO V-COIL

D	P	Ø	D	P	Ø	D	P	Ø	D	P	Ø
M/MF		mm	UNC		mm	BSW		mm	G(BSP)		mm
M 2 x 0.4		2.10	No. 2 x 56		2.4	1/8 x 40		3.4	1/8 x 28		10.00
M 2.5 x 0.45		2.60	No. 4 x 40		3.0	3/16 x 24		5.1	1/4 x 19		13.60
M 3 x 0.5		3.20	No. 5 x 40		3.4	1/4 x 20		6.7	3/8 x 19		17.10
M 3.5 x 0.6		3.70	No. 6 x 32		3.7	5/16 x 18		8.3	1/2 x 14		21.50
M 4 x 0.7		4.20	No. 8 x 32		4.4	3/8 x 16		9.9	5/8 x 14		23.40
M 5 x 0.8		5.20	No. 10 x 24		5.1	7/16 x 14		11.6	3/4 x 14		27.00
M 6 x 1.0		6.30	No. 12 x 24		5.7	1/2 x 12		13.0	7/8 x 14		30.60
M 7 x 1.0		7.30	1/4 x 20		6.7	9/16 x 12		14.8	1" x 11		33.70
M 8 x 1.25		8.30	5/16 x 18		8.3	5/8 x 11		16.7			
M 8 x 1.0		8.30	3/8 x 16		9.9	3/4 x 10		20.0			
M 9 x 1.25		9.30	7/16 x 14		11.60	7/8 x 9		23.0			
M 10 x 1.5		10.40	1/2 x 13		13.00	1" x 8		26.5			
M 10 x 1.25		10.30	9/16 x 12		14.80						
M 10 x 1.0		10.30	5/8 x 11		16.50	BSF					
M 11 x 1.5		11.40	3/4 x 10		19.75	3/16 x 32		5.0			
M 12 x 1.75		12.40	7/8 x 9		23.00	1/4 x 26		6.6			
M 12 x 1.5		12.40	1" x 8		26.25	5/16 x 22		8.3			
M 12 x 1.25		12.30	1.1/8 x 7		29.50	3/8 x 20		9.9			
M 12 x 1.0		12.30	1.1/4 x 7		33.00	7/16 x 18		11.6			
M 14 x 2.0		14.50	1.3/8 x 6		36.00	1/2 x 16		13.0			
M 14 x 1.5		14.40	1.1/2 x 6		39.50	9/16 x 16		14.8			
M 14 x 1.25		14.40				5/8 x 14		16.4			
M 14 x 1.0		14.30				3/4 x 12		19.5			
M 16 x 2.0		16.50	UNF			7/8 x 11		22.7			
M 16 x 1.5		16.40	No. 4 x 48		3.0	1" x 10		26.5			
M 18 x 2.5		18.60	No. 6 x 40		3.7						
M 18 x 2.0		18.50	No. 8 x 36		4.4	UNx8					
M 18 x 1.5		18.50	No. 10 x 32		5.1	1.1/8 x 8		28.75			
M 20 x 2.5		20.60	1/4 x 28		6.6	1.1/4 x 8		31.75			
M 20 x 2.0		20.50	5/16 x 24		8.2	1.3/8 x 8		35.00			
M 20 x 1.5		20.50	3/8 x 24		9.8	1.1/2 x 8		38.00			
M 22 x 2.5		22.60	7/16 x 20		11.50	1.5/8 x 8		41.50			
M 22 x 2.0		22.50	1/2 x 20		13.00	1.3/4 x 8		44.50			
M 22 x 1.5		22.50	9/16 x 18		14.80	1.78 x 8		47.75			
M 24 x 3.0		24.75	5/8 x 18		16.25	2" x 8		50.90			
M 24 x 2.0		24.50	3/4 x 16		19.50						
M 24 x 1.5		24.50	7/8 x 14		22.75						
M 26 x 1.5		26.50	1" x 12		26.00						
M 27 x 1.5		27.50	1.1/8 x 12		29.00						
M 27 x 2.0		27.50	1.1/4 x 12		32.50						
M 27 x 3.0		27.75	1.3/8 x 12		35.50						
M 28 x 1.5		28.50	1.1/2 x 12		38.50						
M 30 x 1.5		30.50									
M 30 x 2.0		30.50									
M 30 x 3.5		31.00									
M 33 x 2.0		33.50									
M 33 x 3.5		34.00									
M 36 x 1.5		36.50									
M 36 x 2.0		36.50									
M 36 x 3.0		37.00									
M 36 x 4.0		37.00									



TECHNICAL DATA FOR WIRE-THREAD-INSERTS ACC. TO DIN 8140

DATI TECNICI FILETTI RIPORTATI DIN 8140

M	S (mm)					T (mm)					R (mm)				
	1D	1.5D	2D	2.5D	3D	1D	1.5D	2D	2.5D	3D	1D	1.5D	2D	2.5D	3D
M 2 x 0.40	3.80	4.80	5.80	6.80	7.80	3.40	4.40	5.40	6.40	7.40	2.00	3.00	4.00	5.00	6.00
M 2.5 x 0.45	4.52	5.77	7.02	8.27	9.52	4.07	5.32	6.57	7.82	9.07	2.50	3.75	5.00	6.25	7.50
M 3 x 0.50	5.25	6.75	8.25	9.75	11.25	4.75	6.25	7.75	9.25	10.75	3.00	4.50	6.00	7.50	9.00
M 3.5 x 0.60	6.20	7.95	9.70	11.45	13.20	5.60	7.35	9.10	10.85	12.60	3.50	5.25	7.00	8.75	10.50
M 4 x 0.70	7.15	9.15	11.15	13.15	15.15	6.45	8.45	10.45	12.45	14.45	4.00	6.00	8.00	10.00	12.00
M 5 x 0.80	8.60	11.10	13.60	16.10	18.60	7.80	10.30	12.80	15.30	17.80	5.00	7.50	10.00	12.50	15.00
M 6 x 1.00	10.50	13.50	16.50	19.50	22.50	9.50	12.50	15.50	18.50	21.50	6.00	9.00	12.00	15.00	18.00
M 7 x 1.00	11.50	15.00	18.50	22.00	25.50	10.50	14.00	17.50	21.00	24.50	7.00	10.50	14.00	17.50	21.00
M 8 x 1.25	13.62	17.62	21.62	25.62	29.62	12.37	16.37	20.37	24.37	28.37	8.00	12.00	16.00	20.00	24.00
M 8 x 1.00	12.50	16.50	20.50	24.50	28.50	11.50	15.50	19.50	23.50	27.50	8.00	12.00	16.00	20.00	24.00
M 9 x 1.25	14.62	19.12	23.62	28.13	32.62	13.37	17.87	22.37	26.87	31.37	9.00	13.50	18.00	22.50	27.00
M 9 x 1.00	13.50	18.00	22.50	27.00	31.50	12.50	17.00	21.50	26.00	30.50	9.00	13.50	18.00	22.50	27.00
M 10 x 1.50	16.75	21.75	26.75	31.75	36.75	15.25	20.25	25.25	30.25	35.25	10.00	15.00	20.00	25.00	30.00
M 10 x 1.25	15.62	20.62	25.62	30.62	35.62	14.37	19.37	24.37	29.37	34.37	10.00	15.00	20.00	25.00	30.00
M 10 x 1.00	14.50	19.50	24.50	29.50	34.50	13.50	18.50	23.50	28.50	33.50	10.00	15.00	20.00	25.00	30.00
M 11 x 1.50	17.75	23.25	28.75	34.25	39.75	16.25	21.75	27.25	32.75	38.25	11.00	16.50	22.00	27.50	33.00
M 11 x 1.25	16.62	22.12	27.62	33.12	38.62	15.37	20.87	26.37	31.87	37.37	11.00	16.50	22.00	27.50	33.00
M 12 x 1.75	19.87	25.87	31.87	37.87	43.87	18.12	24.12	30.12	36.12	42.12	12.00	18.00	24.00	30.00	36.00
M 12 x 1.50	18.75	24.75	30.75	36.75	42.75	17.25	23.25	29.25	35.25	41.25	12.00	18.00	24.00	30.00	36.00
M 12 x 1.25	17.62	23.62	29.62	35.62	41.62	16.37	22.37	28.37	34.37	40.37	12.00	18.00	24.00	30.00	36.00
M 14 x 2.00	23.00	30.00	37.00	44.00	51.00	21.00	28.00	35.00	42.00	49.00	14.00	21.00	28.00	35.00	42.00
M 14 x 1.50	20.75	27.75	34.75	41.75	48.75	19.25	26.25	33.25	40.25	47.25	14.00	21.00	28.00	35.00	42.00
M 14 x 1.25	19.62	26.62	33.62	40.62	47.62	18.37	25.37	32.37	39.37	46.37	14.00	21.00	28.00	35.00	42.00
M 16 x 2.00	25.00	33.00	41.00	49.00	57.00	23.00	31.00	39.00	47.00	55.00	16.00	24.00	32.00	40.00	48.00
M 16 x 1.50	22.75	30.75	38.75	46.75	54.75	21.25	29.25	37.25	45.25	53.25	16.00	24.00	32.00	40.00	48.00
M 18 x 2.50	29.25	38.25	47.25	56.25	65.25	26.75	35.75	44.75	53.75	62.75	18.00	27.00	36.00	45.00	54.00
M 18 x 2.00	27.00	36.00	45.00	54.00	63.00	25.00	34.00	43.00	52.00	61.00	18.00	27.00	36.00	45.00	54.00
M 20 x 2.50	31.25	41.25	51.25	61.25	71.25	28.75	38.75	48.75	58.75	68.75	20.00	30.00	40.00	50.00	60.00
M 20 x 2.00	29.00	39.00	49.00	59.00	69.00	27.00	37.00	47.00	57.00	67.00	20.00	30.00	40.00	50.00	60.00
M 20 x 1.50	26.75	36.75	46.75	56.75	66.75	25.25	35.25	45.25	55.25	65.25	20.00	30.00	40.00	50.00	60.00
M 22 x 2.50	33.25	44.25	55.25	66.25	77.25	30.75	41.75	52.75	63.75	74.75	22.00	33.00	44.00	55.00	66.00
M 22 x 2.00	31.00	42.00	53.00	64.00	75.00	29.00	40.00	51.00	62.00	73.00	22.00	33.00	44.00	55.00	66.00
M 22 x 1.50	28.75	39.75	50.75	61.75	72.75	27.25	38.25	49.25	60.25	71.25	22.00	33.00	44.00	55.00	66.00
M 24 x 3.00	37.50	49.50	61.50	73.50	85.50	34.50	46.50	58.50	70.50	82.50	24.00	36.00	48.00	60.00	72.00
M 24 x 2.00	33.00	45.00	57.00	69.00	81.00	31.00	43.00	55.00	67.00	79.00	24.00	36.00	48.00	60.00	72.00
M 27 x 3.00	40.50	54.00	67.50	81.00	94.50	37.50	51.00	64.50	78.00	91.50	27.00	40.50	54.00	67.50	81.00
M 27 x 2.00	36.00	49.50	63.00	76.50	90.00	34.00	47.50	61.00	74.50	88.00	27.00	40.50	54.00	67.50	81.00
M 30 x 3.50	45.75	60.75	75.75	90.75	105.75	42.25	57.25	72.25	87.25	102.25	30.00	45.00	60.00	75.00	90.00
M 30 x 3.00	43.50	58.50	73.50	88.50	103.50	40.50	55.50	70.50	85.50	100.50	30.00	45.00	60.00	75.00	90.00
M 33 x 3.50	48.75	65.25	81.75	98.25	114.75	45.25	61.25	77.25	93.25	109.25	33.00	49.50	66.00	82.50	99.00
M 36 x 4.00	54.00	72.00	90.00	108.00	126.00	50.00	68.00	86.00	104.00	122.00	36.00	54.00	72.00	90.00	108.00
M 36 x 3.00	49.50	67.50	85.50	103.50	121.50	46.50	64.50	82.50	100.50	118.50	36.00	54.00	72.00	90.00	108.00
M 39 x 4.00	57.00	76.50	96.00	115.50	135.00	53.00	72.50	92.00	111.50	131.00	39.00	58.50	78.00	97.50	117.00
M 42 x 4.50	62.25	83.25	104.25	125.25	146.25	57.75	78.75	99.75	120.75	141.75	42.00	63.00	84.00	105.00	126.00
M 42 x 3.00	55.50	76.50	97.50	118.50	139.50	52.50	73.50	94.50	115.50	136.50	42.00	63.00	84.00	105.00	126.00

S Drilling Length
T Tapping Length
R Installation Length

S Lunghezza del Foro
T Lunghezza della Maschiatura
R Lunghezza utile del Filetto Riportato



TECHNICAL DATA FOR WIRE-THREAD-INSERTS ACC. TO DIN 8140
DATI TECNICI FILETTI RIPORTATI DIN 8140

	S (Inch / pollice)					T (Inch / pollice)					R (Inch / pollice)				
	1D	1.5D	2D	2.5D	3D	1D	1.5D	2D	2.5D	3D	1D	1.5D	2D	2.5D	3D
UNF															
2 - 64	.156	.199	.242	.285	.328	.141	.184	.227	.270	.313	.086	.129	.172	.215	.258
3 - 56	.179	.229	.278	.328	.377	.161	.210	.260	.310	.359	.099	.148	.198	.247	.297
4 - 48	.206	.262	.318	.374	.430	.185	.241	.297	.353	.409	.112	.168	.224	.280	.336
5 - 44	.227	.290	.352	.414	.477	.204	.267	.329	.391	.454	.125	.187	.250	.312	.375
6 - 40	.250	.319	.388	.457	.526	.225	.294	.363	.432	.501	.138	.207	.276	.345	.414
8 - 36	.289	.371	.453	.535	.617	.261	.343	.425	.507	.589	.164	.246	.328	.410	.492
10 - 32	.331	.426	.521	.616	.711	.299	.394	.489	.584	.679	.190	.285	.380	.475	.570
1/4 - 28	.411	.536	.661	.786	.911	.375	.500	.625	.750	.875	.250	.375	.500	.625	.750
5/16 - 24	.500	.656	.812	.969	1.125	.458	.614	.771	.927	1.083	.312	.469	.625	.781	.937
3/8 - 24	.562	.750	.937	1.124	1.312	.521	.708	.896	1.083	1.271	.375	.562	.750	.937	1.125
7/16 - 20	.662	.881	1.100	1.319	1.537	.612	.831	1.050	1.269	1.487	.437	.656	.875	1.094	1.312
1/2 - 20	.725	.975	1.225	1.475	1.725	.675	.925	1.175	1.425	1.675	.500	.750	1.000	1.250	1.500
9/16 - 18	.811	1.093	1.374	1.655	1.936	.756	1.038	1.319	1.600	1.881	.562	.844	1.125	1.406	1.687
5/8 - 18	.874	1.187	1.500	1.812	2.124	.819	1.132	1.444	1.757	2.069	.625	.937	1.250	1.562	1.875
3/4 - 16	1.031	1.406	1.781	2.156	2.531	.969	1.344	1.719	2.094	2.469	.750	1.125	1.500	1.875	2.250
7/8 - 14	1.196	1.634	2.071	2.509	2.946	1.125	1.562	2.000	2.437	2.875	.875	1.312	1.750	2.187	2.625
1" - 12	1.375	1.875	2.375	2.875	3.375	1.292	1.792	2.292	2.792	3.292	1.000	1.500	2.000	2.500	3.000
1 1/8 - 12	1.500	2.062	2.625	3.187	3.750	1.417	1.979	2.542	3.104	3.667	1.125	1.687	2.250	2.812	3.375
1 1/4 - 12	1.625	2.250	2.875	3.500	4.125	1.542	2.167	2.792	3.417	4.042	1.250	1.875	2.500	3.125	3.750
1 3/8 - 12	1.750	2.438	3.125	3.813	4.500	1.667	2.354	3.042	3.729	4.417	1.375	2.062	2.750	3.437	4.125
1 1/2 - 12	1.875	2.625	3.375	4.125	4.875	1.792	2.542	3.292	4.042	4.792	1.500	2.250	3.000	3.750	4.500
UNC															
2 - 56	.166	.209	.252	.295	.338	.148	.191	.234	.277	.320	.086	.129	.172	.215	.258
3 - 48	.193	.242	.292	.341	.391	.172	.221	.271	.320	.370	.099	.148	.198	.247	.297
4 - 40	.224	.280	.336	.392	.448	.199	.255	.311	.367	.423	.112	.168	.224	.280	.336
5 - 40	.237	.300	.362	.425	.487	.212	.275	.337	.400	.462	.125	.187	.250	.312	.375
6 - 32	.279	.348	.417	.486	.555	.247	.316	.385	.454	.523	.138	.207	.276	.345	.414
8 - 32	.305	.387	.469	.551	.633	.273	.355	.437	.519	.601	.164	.246	.328	.410	.492
10 - 24	.377	.472	.567	.662	.757	.336	.431	.526	.621	.716	.190	.285	.380	.475	.570
12 - 24	.403	.511	.619	.727	.835	.362	.470	.578	.686	.794	.216	.324	.432	.540	.648
1/4 - 20	.475	.600	.725	.850	.975	.425	.550	.675	.800	.925	.250	.375	.500	.625	.750
5/16 - 18	.562	.718	.875	1.031	1.187	.507	.663	.819	.975	1.132	.312	.469	.625	.781	.937
3/8 - 16	.656	.844	1.031	1.219	1.406	.594	.781	.969	1.156	1.344	.375	.562	.750	.937	1.125
7/16 - 14	.758	.977	1.196	1.415	1.633	.687	.906	1.125	1.344	1.562	.437	.656	.875	1.094	1.312
1/2 - 13	.846	1.096	1.346	1.596	1.846	.769	1.019	1.269	1.519	1.769	.500	.750	1.000	1.250	1.500
9/16 - 12	.937	1.219	1.500	1.781	2.062	.854	1.135	1.417	1.698	1.979	.562	.844	1.125	1.406	1.687
5/8 - 11	1.034	1.347	1.659	1.972	2.284	.943	1.256	1.568	1.881	2.193	.625	.937	1.250	1.562	1.875
3/4 - 10	1.200	1.575	1.950	2.325	2.700	1.100	1.475	1.850	2.225	2.600	.750	1.125	1.500	1.875	2.250
7/8 - 9	1.375	1.812	2.250	2.687	3.125	1.264	1.701	2.139	2.576	3.014	.875	1.312	1.750	2.187	2.625
1" - 8	1.562	2.062	2.562	3.062	3.562	1.437	1.937	2.437	2.937	3.437	1.000	1.500	2.000	2.500	3.000
1 1/8 - 7	1.768	2.330	2.893	3.455	4.018	1.625	2.187	2.750	3.312	3.875	1.125	1.687	2.250	2.812	3.375
1 1/4 - 7	1.893	2.518	3.143	3.768	4.393	1.750	2.375	3.000	3.625	4.250	1.250	1.875	2.500	3.125	3.750
1 3/8 - 6	2.125	2.812	3.500	4.187	4.875	1.958	2.646	3.333	4.021	4.708	1.375	2.062	2.750	3.437	4.125
1 1/2 - 6	2.250	3.000	3.750	4.500	5.250	2.083	2.833	3.583	4.333	5.083	1.500	2.250	3.000	3.750	4.500

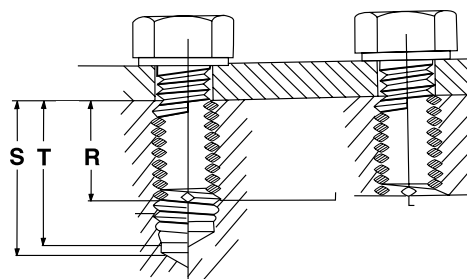
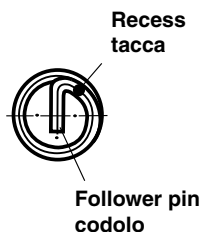
S Drilling Length
T Tapping Length
R Installation Length

S Lunghezza del Foro
T Lunghezza della Maschiatura
R Lunghezza utile del Filetto Riportato



TECHNICAL DATA FOR WIRE-THREAD-INSERTS ACC. TO DIN 8140
DATI TECNICI FILETTI RIPORTATI DIN 8140

	S (Inch / pollice)					T (Inch / pollice)					R (Inch / pollice)				
	1D	1.5D	2D	2.5D	3D	1D	1.5D	2D	2.5D	3D	1D	1.5D	2D	2.5D	3D
BSF															
3/16 - 32	.328	.422	.515	.609	.703	.297	.390	.484	.578	.672	.187	.281	.375	.469	.562
1/4 - 26	.423	.548	.673	.798	.923	.385	.510	.635	.760	.885	.250	.375	.500	.625	.750
5/16 - 22	.517	.673	.829	.986	1.142	.472	.628	.784	.940	1.096	.312	.469	.625	.781	.937
3/8 - 20	.600	.787	.975	1.162	1.350	.550	.737	.925	1.112	1.300	.375	.562	.750	.937	1.125
7/16 - 18	.687	.906	1.124	1.343	1.562	.632	.851	1.069	1.288	1.507	.437	.656	.875	1.094	1.312
1/2 - 16	.781	1.031	1.281	1.531	1.781	.719	.969	1.219	1.469	1.719	.500	.750	1.000	1.250	1.500
9/16 - 16	.844	1.125	1.406	1.687	1.969	.781	1.062	1.344	1.625	1.906	.562	.844	1.125	1.406	1.687
5/8 - 14	.946	1.259	1.571	1.884	2.196	.875	1.187	1.500	1.812	2.125	.625	.937	1.250	1.562	1.875
3/4 - 12	1.125	1.500	1.875	2.250	2.625	1.042	1.417	1.792	2.167	2.542	.750	1.125	1.500	1.875	2.250
7/8 - 11	1.284	1.722	2.159	2.596	3.034	1.193	1.631	2.068	2.506	2.943	.875	1.312	1.750	2.187	2.625
1" - 10	1.450	1.950	2.450	2.950	3.450	1.350	1.850	2.350	2.850	3.350	1.000	1.500	2.000	2.500	3.000
1"1/8 - 9	1.625	2.187	2.750	3.312	3.875	1.514	2.076	2.639	3.201	3.764	1.125	1.687	2.250	2.812	3.375
1"1/4 - 9	1.750	2.375	3.000	3.625	4.250	1.639	2.264	2.889	3.514	4.139	1.250	1.875	2.500	3.125	3.750
1"3/8 - 8	1.937	2.625	3.312	4.000	4.687	1.812	2.500	3.187	3.875	4.562	1.375	2.062	2.750	3.437	4.125
1"1/2 - 8	2.062	2.812	3.562	4.312	5.062	1.937	2.687	3.437	4.187	4.937	1.500	2.250	3.000	3.750	4.500
BSW															
1/8 - 40	.237	.300	.362	.425	.487	.212	.275	.337	.400	.462	.125	.187	.250	.312	.375
3/16 - 24	.375	.469	.562	.656	.750	.333	.427	.521	.614	.708	.187	.281	.375	.469	.562
1/4 - 20	.475	.600	.725	.850	.975	.425	.550	.675	.800	.925	.250	.375	.500	.625	.750
5/16 - 18	.562	.718	.875	1.031	1.187	.507	.663	.819	.975	1.132	.312	.469	.625	.781	.937
3/8 - 16	.656	.844	1.031	1.219	1.406	.594	.781	.969	1.156	1.344	.375	.562	.750	.937	1.125
7/16 - 14	.758	.977	1.196	1.415	1.633	.687	.906	1.125	1.344	1.562	.437	.656	.875	1.094	1.312
1/2 - 12	.875	1.125	1.375	1.625	1.875	.792	1.042	1.292	1.542	1.792	.500	.750	1.000	1.250	1.500
9/16 - 12	.937	1.219	1.500	1.781	2.062	.854	1.135	1.417	1.698	1.979	.562	.844	1.125	1.406	1.687
5/8 - 11	1.034	1.347	1.659	1.972	2.284	.943	1.256	1.568	1.881	2.193	.625	.937	1.250	1.562	1.875
3/4 - 10	1.200	1.575	1.950	2.325	2.700	1.100	1.475	1.850	2.225	2.600	.750	1.125	1.500	1.875	2.250
7/8 - 9	1.375	1.812	2.250	2.687	3.125	1.264	1.701	2.139	2.576	3.014	.875	1.312	1.750	2.187	2.625
1" - 8	1.562	2.062	2.562	3.062	3.562	1.437	1.937	2.437	2.937	3.437	1.000	1.500	2.000	2.500	3.000
1"1/8 - 7	1.768	2.330	2.893	3.455	4.018	1.625	2.187	2.750	3.312	3.875	1.125	1.687	2.250	2.812	3.375
1"1/4 - 7	1.893	2.518	3.143	3.768	4.393	1.750	2.375	3.000	3.625	4.250	1.250	1.875	2.500	3.125	3.750
1"1/2 - 6	2.250	3.000	3.750	4.500	5.250	2.083	2.833	3.583	4.333	5.083	1.500	2.250	3.000	3.750	4.500
G(BSP)															
1/8 - 28	.286	.348	.411	.473	.536	.250	.312	.375	.437	.500	.125	.187	.250	.312	.375
1/4 - 19	.487	.612	.737	.862	.987	.434	.559	.684	.809	.934	.250	.375	.500	.625	.750
3/8 - 19	.612	.799	.987	1.174	1.362	.559	.747	.934	1.122	1.309	.375	.562	.750	.937	1.125
1/2 - 14	.821	1.071	1.321	1.571	1.821	.750	1.000	1.250	1.500	1.750	.500	.750	1.000	1.250	1.500
5/8 - 14	.946	1.258	1.571	1.883	2.196	.875	1.187	1.500	1.812	2.125	.625	.937	1.250	1.562	1.875
3/4 - 14	1.071	1.446	1.821	2.196	2.571	1.000	1.375	1.750	2.125	2.500	.750	1.125	1.500	1.875	2.250
7/8 - 14	1.196	1.634	2.071	2.509	2.946	1.125	1.562	2.000	2.437	2.875	.875	1.312	1.750	2.187	2.625
1" - 11	1.409	1.909	2.409	2.909	3.409	1.318	1.818	2.318	2.818	3.318	1.000	1.500	2.000	2.500	3.000
1"1/4 - 11	1.660	2.284	2.909	3.534	4.159	1.568	2.193	2.818	3.443	4.068	1.250	1.875	2.500	3.125	3.750
1"1/2 - 11	1.909	2.659	3.409	4.159	4.909	1.818	2.568	3.318	4.068	4.818	1.500	2.250	3.000	3.750	4.500





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