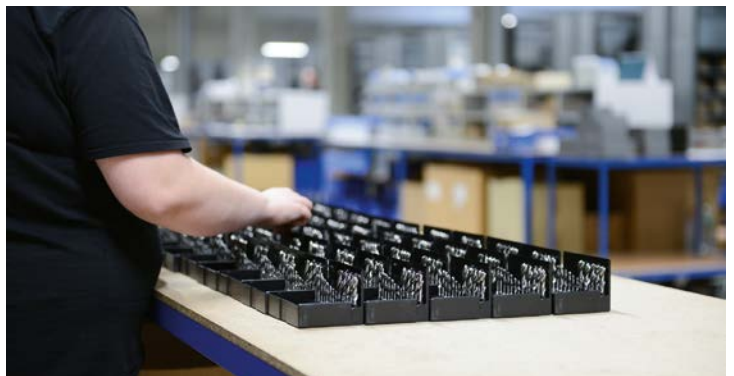
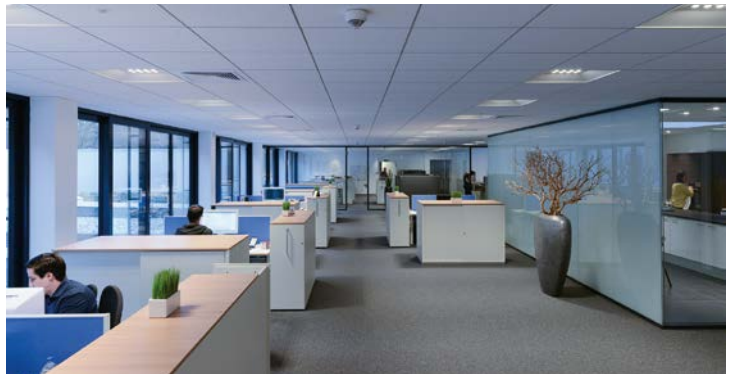


V-COIL

THREAD INSERT SYSTEM ■ ■ ■



■ ■ ■ ■ ■ ■ ■ VC 2020



VÖLKE GmbH











Morsbachtalstraße 20
D-42855 Remscheid

Telefon +49 2191 490112
Telefax +49 2191 490125

E-Mail: info@voelkel.com
Internet: www.voelkel.com

Follow us! VÖLKE on:

Linked in  **YouTube**

Wire Thread Inserts Filetti Riportati	 7	
Thread Repair Kits Kit Ripristina Filetti	19	
Thread Repair Workshop Kits Kit Ripristina Filetti	33	
Inserting Tools Utensili per il Montaggio	41	
Tang Break Tools Attrezzi rottura codolo	41	
Extracting Tools Estrattori	41	
STI-Taps Maschi STI	47	
STI-Drills Punte STI	61	
Technical Information Informazioni tecniche	63	
Display Espositore	67	

**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
- fulfil the demands of the user, the customer and the machine



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 tornando 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.

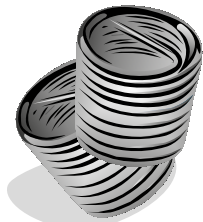
Applicazioni:

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.

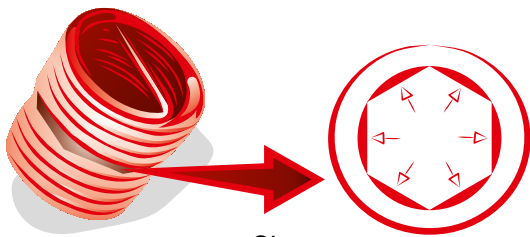
Riparazione di filetti danneggiati o usurati.
Recupero di pezzi di scarto.



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 1.5	100			07314	0,34			07514	0,37		
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 11 x 1.25	100			07320	0,43			07520	0,56		
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 4.0	5	07384	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" x 14	10			08338	3,60						
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
--------------------	---	---------------------------	---------------------------	---------------------------	---------------------------	---------------------------

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

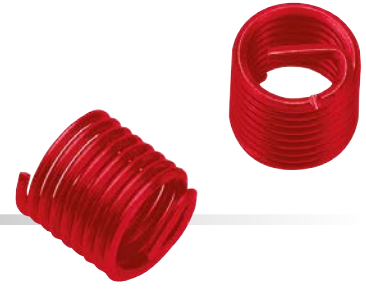


Wire Thread Inserts - Type "SL"


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

galvanized 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. €	1,5 D Art.-No. €	2,0 D Art.-No. €	2,5 D Art.-No. €	3,0 D Art.-No. €
--------------------	-------------	------------------	------------------	------------------	------------------	------------------

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.	€
---	---	---	---	---	---	----------	---

M

M	2.5 x 0.45	2.6 mm	08090	07090	1/4"	10	04303	21,00
M	3 x 0.5	3.2 mm	08091	07091	1/4"	10	04305	21,00
M	4 x 0.7	4.2 mm	08092	07092	1/4"	10	04307	21,50
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	33,00
M	12 x 1.75	12.4 mm	08097	07097	1/4"	6	04321	36,00










Thread Repair Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D



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

M							
M	2 x 0.4	2.1 mm	No. 2	No. 2	20	04001	21,50
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	263,00
M 27 x 3.0	03050	08025	07350	10	04050	263,00
M 27 x 2.0	03051	08026	07351	10	04051	263,00
M 27 x 1.5	03052	08027	07352	10	04052	263,00
M 28 x 1.5	03053	08028	07353	10	04053	263,00
M 30 x 3.5	03054	08029	07354	10	04054	310,00
M 30 x 2.0	03055	08030	07355	10	04055	310,00
M 30 x 1.5	03056	08031	07356	10	04056	310,00
M 33 x 3.5	03057	08032	07357	10	04057	321,00
M 33 x 2.0	03058	08033	07358	10	04058	321,00
M 36 x 4.0	03060	08034	07360	10	04060	342,00
M 36 x 3.0	03061	08035	07361	10	04061	342,00
M 36 x 2.0	03062	08036	07362	10	04062	342,00
M 36 x 1.5	03063	08037	07363	10	04063	342,00
M 39 x 4.0	03064	08038	07364	10	04231	494,00
M 39 x 3.0	03065	08039	07365	10	04232	431,00
M 40 x 3.0	03066	08040	07368	10	04233	494,00
M 42 x 4.5	03067	08041	07372	10	04234	662,00
M 42 x 3.0	03068	08042	07373	10	04235	494,00
M 45 x 4.5	03069	08043	07377	10	04236	683,00
M 45 x 3.0	03070	08044	07378	10	04237	598,00
M 48 x 5.0	03071	08045	07382	10	04238	835,00
M 48 x 4.0	03076	08100	07384	10	04243	875,00
M 48 x 3.0	03072	08046	07383	10	04239	620,00
M 50 x 3.0	03073	08047	07387	10	04240	662,00
M 52 x 5.0	03074	08048	07390	10	04241	1.040,00
M 52 x 3.0	03075	08049	07391	10	04242	893,00







Thread Repair Kits

with Machine Inserting Tool
and STI-Machine Tap (Spiral Point)
Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

con utensile per il montaggio a macchina
e Maschi STI a Macchina (Forma B)
Filetti Riportati - tipo standard 1,5 D



				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	26,00
M	6 x 1.0	6.3 mm	No. 9	20	04073	28,00
M	8 x 1.25	8.3 mm	No. 11	20	04074	36,00
M	10 x 1.5	10.4 mm	No. 13	15	04075	38,50
M	12 x 1.75	12.4 mm	No. 15	10	04076	44,00








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 Dimensioni					Art.-No.	€
UNC						
1.1/8" x 7	03117	08050	08320	10	04117	286,00
1.1/4" x 7	03118	08051	08321	10	04118	315,00
1.3/8" x 6	03119	08052	08322	10	04119	353,00
1.1/2" x 6	03120	08053	08323	10	04135	422,00





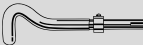


Thread Repair Kits

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
1" x 14		No. 23		4	04140	77,60

Thread Repair Kits

STI-taps, sets of 2 pcs.

Inserting Tool with Hexagon Drive

Wire Thread Inserts 1,5 D

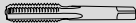



Kit Ripristina Filetti

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	286,00
1.1/4" x 12	03167	08061	08397	10	04137	315,00
1.3/8" x 12	03168	08062	08398	10	04138	353,00
1.1/2" x 12	03169	08063	08399	10	04139	422,00








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	36,00
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



						Art.-No.	€
		1,5 D	8,40 mm	12,40 mm	16,40 mm		
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	50,00
M 18 x 1.5	No. 20	5				04097	62,00








Thread Repair Kits

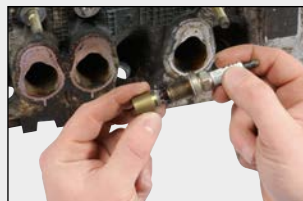
for spark plug thread M 14x1,25
HexTap SP
Solid Thread Inserts SP

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	52,50
16-2M	M 16 x 1.25	5		11		19112	52,50
16-4	M 16 x 1.25	4	4	4	4	19113	52,50
16-2L	M 16 x 1.25			8	8	19114	52,50
10-S	M 16 x 1.25	10				19115	42,00
10-M	M 16 x 1.25		10			19116	42,00
10-L	M 16 x 1.25			10		19117	42,00
10-XL	M 16 x 1.25				10	19118	42,00
10-2L	M 16 x 1.25			5	5	19119	42,00





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.	€
M 13 x 1.5	15		15		19125	42,00
M 15 x 1.5	15		15		19126	42,00
M 17 x 1.5		15	15		19127	42,00
M 20 x 1.5		5	10	10	19128	42,00
M 24 x 1.5		5	10	10	19129	42,00









Thread Repair Kits

for oxygen sensor thread M 18x1,5
 HexTap LS and LSN
 Wire Inserts LS Inconel X750 (19149),
 Solid Inserts LS (19147)

Kit Ripristina Filetti

per filetti sonda Lambda M 18x1,5
 HexTap LS e LSN
 Filetti Riportati LS Inconel X750 (19149)
 inserti filetti LS (19147)



	 LSN	 LS	 19147	 19149	Art.-No.	€
10E	M 18 x 1.5	M 20 x 1.5		10	19102	75,00
5EB	M 18 x 1.5	M 20 x 1.5	5	5	19104	80,00
10B	M 18 x 1.5	M 20 x 1.5	10		19106	85,00





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.	€
				1,0	1,5	2,0		

VC80 / M 5 - M 12

M 5 x 0.8	5.2 mm	No. 8	No. 8	10	10	10	04080	165,00
M 6 x 1.0	6.3 mm	No. 9	No. 9	10	10	10		
M 8 x 1.25	8.3 mm	No. 11	No. 11	10	10	10		
M 10 x 1.5	10.4 mm	No. 13	No. 13	10	10	10		
M 12 x 1.75	12.4 mm	No. 15	No. 15	5	5	5		








Thread Repair Workshop Kits

Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

Filetti Riportati - tipo standard 1,5 D



					Art.-No.	€	
VC81 / M 5 - M 12						04081	150,00
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







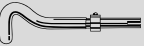


Thread Repair Workshop Kits

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)
Wire Thread Inserts 1,5 D

Kit Ripristina Filetti

con utensile per il montaggio a macchina
e Maschi STI a Macchina con imbocco corretto
Filetti Riportati - tipo standard 1,5 D



					Art.-No.	€
VC87 / M 5 - M 12					04087	189,00
M 5 x 0.8	5.2 mm	M 5	No. 8	25		
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 òleo

HexTap OS, viti e anelli di tenuta



		 CU	 Alu	Art.-No.	€
OS 20					
M 13 x 1.5	5	10		19120	68,50
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	68,50
M 24 x 1.5	5	10	10		
OS 22					
M 13 x 1.5	3	3		19122	116,00
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	6,00
3	M 2.5 x 0.45		08003	6,00
4	M 3 x 0.5	UNC No. 5 UNC/UNF No. 4 BSW 1/8	08004	6,00
5	M 3.5 x 0.6	UNC/UNF No. 6	08005	6,00
6	M 4 x 0.7	UNC/UNF No. 8 BSW 3/16	08006	6,00
7		UNC No. 10 UNF No. 10	08007	6,00
8	M 5 x 0.8	UNC No. 12 BSW 3/16	08008	6,00
9	M 6 x 1.0	UNC/UNF 1/4 BSW/BSF 1/4	08009	6,00
10	M 7 x 1.0	UNC/BSW 5/16	08010	6,80
11	M 8 x 1.25 M 8 x 1.0	UNF/BSF 5/16	08011	6,80
12	M 9 x 1.25 M 9 x 1.0	UNC/BSW 3/8	08012	7,50
13	M 10 x 1.5 M 10 x 1.0 M 10 x 1.25	UNF/BSF 3/8	08013	7,50
14	M 11 x 1.5 M 11 x 1.25	UNC/UNF 7/16 BSW/BSF 7/16	08014	8,60
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	8,60
16	M 14 x 2.0 M 14 x 1.5	UNC/UNF 9/16 BSW/BSF 9/16	08016	10,30
17	M 14 x 1.25 M 14 x 1.0		08017	10,30
18	M 16 x 2.0 M 16 x 1.5	UNC/UNF 5/8 BSW/BSF 5/8	08018	11,40
20	M 18 x 2.5 M 18 x 2.0 M 18 x 1.5	UNC 3/4 BSW/BSF 3/4	08020	11,40
21	M 20 x 2.5 M 20 x 2.0 M 20 x 1.5	UNF 3/4	08021	11,40
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	14,30
23	M 24 x 3.0 M 24 x 2.0 M 24 x 1.5	UNC/UNF 1" BSW/BSF 1"	08023	14,30




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	6,00
M 3 x 0.5	1/4"	08091	6,00
M 4 x 0.7	1/4"	08092	6,00
M 5 x 0.8	1/4"	08093	6,00
M 6 x 1.0	1/4"	08094	6,00
M 8 x 1.25	1/4"	08095	6,80
M 10 x 1.5	1/4"	08096	7,30
M 12 x 1.75	1/4"	08097	8,60
M 26 x 1.5	1/2"	08024	16,30
M 27 x 3.0	1/2"	08025	16,30
M 27 x 2.0	1/2"	08026	16,30
M 27 x 1.5	1/2"	08027	16,30
M 28 x 1.5	1/2"	08028	16,30
M 30 x 3.5	1/2"	08029	19,50
M 30 x 2.0	1/2"	08030	19,50
M 30 x 1.5	1/2"	08031	19,50
M 33 x 3.5	1/2"	08032	22,70
M 33 x 2.0	1/2"	08033	22,70
M 36 x 4.0	1/2"	08034	22,70
M 36 x 3.0	1/2"	08035	22,70
M 36 x 2.0	1/2"	08036	22,70
M 36 x 1.5	1/2"	08037	22,70
M 39 x 4.0	3/4"	08038	31,50
M 39 x 3.0	3/4"	08039	31,50
M 40 x 3.0	3/4"	08040	31,50
M 42 x 4.5	3/4"	08041	36,80
M 42 x 3.0	3/4"	08042	36,80
M 45 x 4.5	3/4"	08043	36,80
M 45 x 3.0	3/4"	08044	36,80
M 48 x 5.0	3/4"	08045	39,00
M 48 x 4.0	3/4"	08100	39,00
M 48 x 3.0	3/4"	08046	39,00
M 50 x 3.0	3/4"	08047	44,50
M 52 x 5.0	3/4"	08048	44,50
M 52 x 3.0	3/4"	08049	44,50
G (BSP)			
1/8 x 28	1/4"	08080	9,80
1/4 x 19	1/4"	08081	9,80
3/8 x 19	1/4"	08082	11,30
1/2 x 14	1/4"	08083	13,00
5/8 x 14	1/2"	08084	16,30
3/4 x 14	1/2"	08085	16,30
7/8 x 14	1/2"	08086	22,70
1" x 11	1/2"	08087	22,70

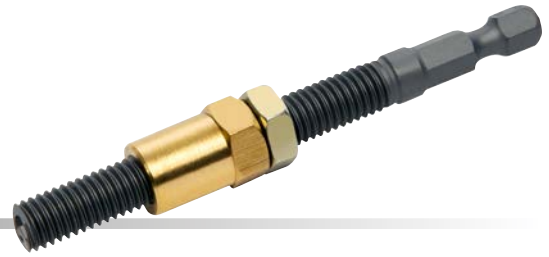




Machine Inserting Tool

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	8,40
M 4 x 0.7	56	7	1/4"	08071	8,40
M 5 x 0.8	62	8	1/4"	08072	8,40
M 6 x 1.0	76	10	1/4"	08073	8,40
M 8 x 1.25	85	12	1/4"	08074	10,30
M 10 x 1.5	96	14	1/4"	08075	11,40
M 12 x 1.75	107	16	1/4"	08076	12,60



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	2,50
3	M 2.5 x 0.45		07003	2,50
4	M 3 x 0.5	UNC/UNF No. 4	07004	2,50
5	M 3.5 x 0.6	UNC/UNF No. 6	07005	2,50
6	M 4 x 0.7	UNC No. 10 UNC/UNF No. 8 BSF 3/16	07006	2,50
8	M 5 x 0.8	UNF No. 10 UNC No. 12 BSW 3/16	07008	2,50
9	M 6 x 1.0	UNC/UNF 1/4 BSW/BSF 1/4	07009	2,50
11	M 7 x 1.0	UNC/UNF 5/16		
11	M 8 x 1.0 M 8 x 1.25	BSW/BSF 5/16	07011	2,80
12	M 9 x 1.0 M 9 x 1.25	UNC 3/8 BSW/BSF 3/8	07012	2,80
13	M 10 x 1.5			
13	M 10 x 1.0 M 10 x 1.25	UNF 3/8	07013	2,80
14	M 11 x 1.5 M 11 x 1.25	UNC/UNF 7/16 BSW/BSF 7/16	07014	3,40
15	M 12 x 1.75 M 12 x 1.5	UNC/UNF 1/2		
15	M 12 x 1.25 M 12 x 1.0	BSW/BSF 1/2	07015	3,40

V-COIL rapid

3	M 2,5 x 0.45	1/4" ⬡	07090	2,50
4	M 3 x 0.5	1/4" ⬡	07091	2,50
6	M 4 x 0.7	1/4" ⬡	07092	2,50
8	M 5 x 0.8	1/4" ⬡	07093	2,50
9	M 6 x 1.0	1/4" ⬡	07094	2,50
11	M 8 x 1.25	1/4" ⬡	07095	2,80
13	M 10 x 1.5	1/4" ⬡	07096	2,80
15	M 12 x 1.75	1/4" ⬡	07097	3,40

Extracting Tools

Estrattori



No.	Metric Metrico	Inch pollice	Art.-No.	€
2	M 3 - M 10	3/16 - 3/8	07052	12,60
3	M 11 - M 24	3/8 - 1"	07053	15,30



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			



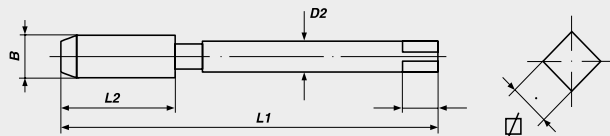
STI-Taps (Second Lead)
for Wire-Thread-Inserts ISO 2 (6H)

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	6,90
M 2.5	x 0.45	3.1	48.0	11.0	3.15	2.50	03003	6,90
M 3	x 0.5	3.6	53.0	13.0	4.0	3.15	03005	6,10
M 3.5	x 0.6	4.3	53.0	13.0	4.5	3.55	03006	6,10
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03007	6,10
M 5	x 0.8	6.0	66.0	19.0	6.3	5.00	03008	6,10
M 6	x 1.0	7.3	72.0	22.0	8.0	6.30	03009	6,10
M 7	x 1.0	8.3	72.0	22.0	9.0	7.10	03010	7,60
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03011	7,60
M 8	x 1.0	9.3	80.0	24.0	10.0	8.00	03012	7,60
M 9	x 1.5	11.0	85.0	25.0	8.0	6.30	03014	10,00
M 9	x 1.25	10.6	85.0	25.0	8.0	6.30	03013	9,30
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03015	9,30
M 10	x 1.25	11.6	85.0	25.0	8.0	6.30	03016	9,30
M 10	x 1.0	11.3	85.0	25.0	8.0	6.30	03017	9,30
M 11	x 1.5	12.9	89.0	29.0	9.0	7.10	03018	10,50
M 11	x 1.25	12.6	89.0	29.0	9.0	7.10	03019	11,50
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03020	10,50
M 12	x 1.5	14.0	95.0	30.0	11.2	9.00	03021	12,80
M 12	x 1.25	13.6	95.0	30.0	11.2	9.00	03022	12,80
M 12	x 1.0	13.3	95.0	30.0	11.2	9.00	03023	12,80
M 14	x 2.0	16.6	102.0	32.0	12.5	10.00	03027	14,60
M 14	x 1.5	16.0	102.0	32.0	12.5	10.00	03028	14,60
M 14	x 1.25	15.6	102.0	32.0	12.5	10.00	03029	14,60
M 14	x 1.0	15.3	102.0	32.0	12.5	10.00	03030	14,60
M 16	x 2.0	18.6	112.0	37.0	14.0	11.20	03033	18,40
M 16	x 1.5	18.0	104.0	29.0	14.0	11.20	03034	18,40
M 18	x 2.5	21.3	118.0	38.0	16.0	12.50	03035	23,00
M 18	x 2.0	20.6	104.0	29.0	14.0	11.20	03036	23,00
M 18	x 1.5	20.0	104.0	29.0	14.0	11.20	03037	23,00
M 20	x 2.5	23.3	118.0	38.0	16.0	12.50	03038	25,50
M 20	x 2.0	22.6	113.0	33.0	16.0	12.50	03039	25,50
M 20	x 1.5	22.0	113.0	33.0	16.0	12.50	03040	25,50
M 22	x 2.5	25.3	130.0	45.0	18.0	14.00	03041	29,40
M 22	x 2.0	24.6	120.0	35.0	18.0	14.00	03042	29,40
M 22	x 1.5	24.0	120.0	35.0	18.0	14.00	03043	29,40
M 24	x 3.0	27.9	138.0	48.0	20.0	16.00	03044	37,10
M 24	x 2.0	26.6	127.0	37.0	20.0	16.00	03045	37,10
M 24	x 1.5	26.0	120.0	35.0	18.0	14.00	03046	37,10





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)

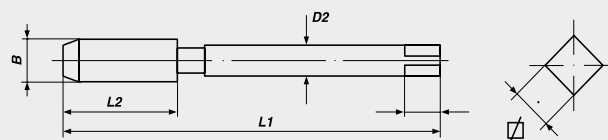


HSS-G

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	122,00
M 27	x 3.0	30.9	151	51	22.4	18.0	03050	122,00
M 27	x 2.0	29.6	127	37	20.0	16.0	03051	122,00
M 27	x 1.5	29.0	127	37	20.0	16.0	03052	122,00
M 28	x 1.5	30.0	127	37	20.0	16.0	03053	122,00
M 30	x 3.5	34.6	162	57	25.0	20.0	03054	160,00
M 30	x 2.0	32.6	137	37	22.4	18.0	03055	160,00
M 30	x 1.5	32.0	137	37	22.4	18.0	03056	160,00
M 33	x 3.5	37.6	162	57	25.0	20.0	03057	166,00
M 33	x 2.0	35.6	144	37	25.0	20.0	03058	166,00
M 36	x 4.0	41.2	170	60	28.0	22.4	03060	185,00
M 36	x 3.0	39.9	170	60	28.0	22.4	03061	185,00
M 36	x 2.0	38.6	150	39	28.0	22.4	03062	185,00
M 36	x 1.5	38.0	150	39	28.0	22.4	03063	185,00
M 39	x 4.0	44.2	187	67	31.5	28.0	03064	284,00
M 39	x 3.0	42.9	149	39	28.0	26.0	03065	242,00
M 40	x 3.0	43.9	149	39	28.0	26.0	03066	242,00
M 42	x 4.5	47.9	187	67	31.5	28.0	03067	400,00
M 42	x 3.0	45.9	165	45	31.5	28.0	03068	265,00
M 45	x 4.5	50.9	200	70	35.5	31.0	03069	400,00
M 45	x 3.0	48.9	175	45	35.5	31.0	03070	305,00
M 48	x 5.0	54.5	200	70	35.5	31.0	03071	495,00
M 48	x 4.0	53.2	175	45	35.5	31.0	03076	495,00
M 48	x 3.0	51.9	175	45	35.5	31.0	03072	336,00
M 50	x 3.0	53.9	175	45	35.5	31.0	03073	368,00
M 52	x 5.0	58.5	221	76	40.0	34.0	03074	683,00
M 52	x 3.0	55.9	193	48	40.0	34.0	03075	578,00





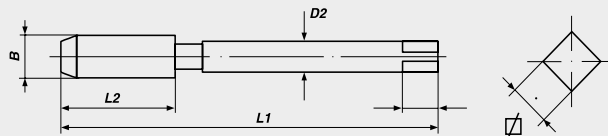
STI-Taps (Second Lead)
for Wire-Thread-Inserts Tolerance 2B

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	9,20
No. 4 x 40	3.7	53.0	13.0	4.0	3.15	03101	9,20
No. 5 x 40	4.0	53.0	13.0	4.0	3.15	03102	9,20
No. 6 x 32	4.5	58.0	16.0	5.0	4.00	03103	9,20
No. 8 x 32	5.2	62.0	17.0	5.6	4.50	03104	9,20
No. 10 x 24	6.2	66.0	19.0	6.3	5.00	03105	9,20
No. 12 x 24	6.9	66.0	19.0	7.1	5.60	03106	9,20
1/4 x 20	8.0	72.0	22.0	8.0	6.30	03107	6,00
5/16 x 18	9.8	80.0	24.0	10.0	8.00	03108	6,60
3/8 x 16	11.6	85.0	25.0	8.0	6.30	03109	6,90
7/16 x 14	13.5	95.0	30.0	11.2	9.00	03110	9,20
1/2 x 13	15.2	102.0	32.0	12.5	10.00	03111	10,50
9/16 x 12	17.0	112.0	37.0	14.0	11.20	03112	17,40
5/8 x 11	18.9	112.0	37.0	14.0	11.20	03113	21,50
3/4 x 10	22.4	118.0	38.0	16.0	12.50	03114	26,20
7/8 x 9	25.9	130.0	45.0	18.0	14.00	03115	37,80
1" x 8	29.5	138.0	48.0	20.0	16.00	03116	37,80
UNF/NF							
No. 4 x 48	3.5	53.0	13.0	4.0	3.15	03151	9,20
No. 6 x 40	4.3	53.0	13.0	4.5	3.55	03152	9,20
No. 8 x 36	5.1	62.0	17.0	5.6	4.50	03153	9,20
No. 10 x 32	5.9	66.0	19.0	6.3	5.00	03154	9,20
1/4 x 28	7.5	69.0	19.0	8.0	6.30	03155	6,00
5/16 x 24	9.3	76.0	20.0	10.0	8.00	03156	6,60
3/8 x 24	10.9	82.0	22.0	8.0	6.30	03157	6,90
7/16 x 20	12.8	84.0	24.0	9.0	7.10	03158	9,20
1/2 x 20	14.4	90.0	25.0	11.2	9.00	03159	10,50
9/16 x 18	16.1	104.0	29.0	12.5	10.00	03160	17,40
5/8 x 18	17.7	104.0	29.0	14.0	11.20	03161	21,50
3/4 x 16	21.1	104.0	29.0	14.0	11.20	03162	26,20
7/8 x 14	24.6	120.0	35.0	18.0	14.00	03163	37,80
1" x 12	28.2	127.0	37.0	20.0	16.00	03164	37,80
1" x 14	27.8	127.0	37.0	20.0	16.00	03165	37,80





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

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

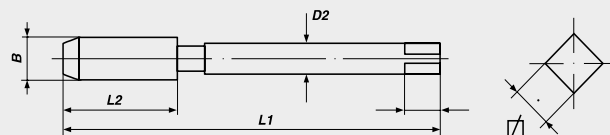


HSS-G

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	115,00
1.1/4 x 7	36.5	162	57	25.0	20.0	03118	138,00
1.3/8 x 6	40.4	170	60	28.0	22.4	03119	165,00
1.1/2 x 6	43.6	187	67	31.5	25.0	03120	221,00
UNF/NF							
1.1/8 x 12	31.3	137	37	22.4	18.0	03166	115,00
1.1/4 x 12	34.5	144	39	25.0	20.0	03167	138,00
1.3/8 x 12	37.7	150	39	28.0	22.4	03168	165,00
1.1/2 x 12	40.9	150	39	28.0	22.4	03169	221,00
UNx8							
1.1/8 x 8	1.1/4	151	51	22.4	18.0	03191	115,00
1.1/4 x 8	1.3/8	162	57	25.0	20.0	03192	138,00
1.3/8 x 8	1.1/2	170	60	28.0	22.4	03193	165,00
1.1/2 x 8	1.5/8	170	60	28.0	22.4	03194	221,00
1.5/8 x 8	1.3/4	187	67	31.5	25.0	03195	231,00
1.3/4 x 8	1.7/8	187	67	31.5	25.0	03196	336,00
1.7/8 x 8	2"	200	70	35.5	28.0	03197	336,00
2" x 8	2.1/8	200	70	35.5	28.0	03198	667,00





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

Maschi STI
per inserti riportati

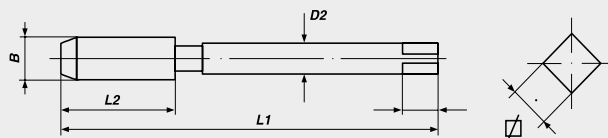


Form D

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	6,00
3/16 x 24	6.0	56.0	19.0	6.3	5.00	03202	6,00
1/4 x 20	7.8	72.0	22.0	8.0	6.30	03203	6,00
5/16 x 18	9.6	80.0	24.0	10.0	8.00	03204	6,60
3/8 x 16	11.4	85.0	25.0	8.0	6.30	03205	6,90
7/16 x 14	13.2	95.0	30.0	11.2	9.00	03206	9,20
1/2 x 12	15.2	102.0	32.0	12.5	10.00	03207	10,50
9/16 x 12	16.8	102.0	32.0	12.5	10.00	03208	17,40
5/8 x 11	18.6	112.0	37.0	14.0	11.20	03209	21,50
11/16 x 11	20.2	112.0	37.0	14.0	11.20	03210	26,20
3/4 x 10	22.0	118.0	38.0	16.0	12.50	03211	26,20
7/8 x 9	25.5	130.0	45.0	18.0	14.00	03212	37,80
1" x 8	29.1	138.0	48.0	20.0	16.00	03213	37,80
BSF							
3/16 x 32	5.7	66.0	19.0	6.3	5.00	03251	6,00
1/4 x 26	7.5	72.0	22.0	8.0	6.30	03253	6,00
5/16 x 22	9.3	80.0	24.0	10.0	8.00	03255	6,60
3/8 x 20	11.0	85.0	25.0	8.0	6.30	03256	6,90
7/16 x 18	12.8	89.0	29.0	9.0	7.10	03257	9,20
1/2 x 16	14.6	95.0	30.0	11.2	9.00	03258	10,50
9/16 x 16	16.2	102.0	32.0	12.5	10.00	03259	17,40
5/8 x 14	18.0	112.0	37.0	14.0	11.20	03260	21,50
11/16 x 14	19.6	112.0	37.0	14.0	11.20	03261	26,20
3/4 x 12	21.5	118.0	38.0	16.0	12.50	03262	26,20
7/8 x 11	24.9	130.0	45.0	18.0	14.00	03264	37,80
1" x 10	28.4	138.0	48.0	20.0	16.00	03265	37,80





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

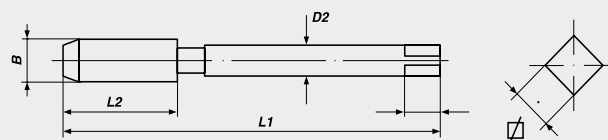
Maschi STI, Set di 2 pz.
 per inserti riportati



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	17,40
1/4 x 19	14.7	67	19	11.2	9.0	03312	22,00
3/8 x 19	18.3	75	21	14.0	11.2	03313	28,60
1/2 x 14	23.1	87	26	16.0	12.5	03314	46,60
5/8 x 14	25.1	91	26	18.0	14.0	03315	68,60
3/4 x 14	28.6	96	28	20.0	16.0	03316	68,60
7/8 x 14	32.4	102	29	22.4	18.0	03318	109,20
1" x 11	36.0	109	33	25.0	20.0	03317	109,20





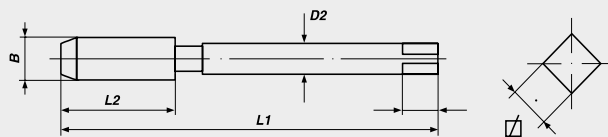
STI-Taps (Second Lead)
for Wire-Thread-Inserts

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	8,70
1/4 x 19	14.7	67.0	19.0	11.2	9.00	03302	11,00
3/8 x 19	18.3	75.0	21.0	14.0	11.20	03303	14,30
1/2 x 14	23.1	87.0	26.0	16.0	12.50	03304	23,30
5/8 x 14	25.0	91.0	26.0	18.0	14.00	03305	34,30
3/4 x 14	28.6	96.0	28.0	20.0	16.00	03306	34,30
1" x 11	36.0	109.0	33.0	25.0	20.00	03307	54,60
BA							
BA 0	7.1	66.0	19.0	7.1	5.60	03321	6,10
BA 2	5.6	66.0	19.0	6.3	5.00	03323	6,10
BA 4	4.4	53.0	13.0	4.5	3.55	03325	6,10
BA 6	3.4	50.0	13.0	3.55	2.80	03327	6,10
BS. Brass							
1/4 x 26	7.5	69.0	19.0	8.0	6.30	03341	7,90
5/16 x 26	9.1	76.0	20.0	10.0	8.00	03342	8,70
3/8 x 26	10.7	82.0	22.0	8.0	6.30	03343	9,20
7/16 x 26	12.3	84.0	24.0	9.0	7.10	03344	11,80
1/2 x 26	13.9	90.0	25.0	11.2	9.00	03345	17,50





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)

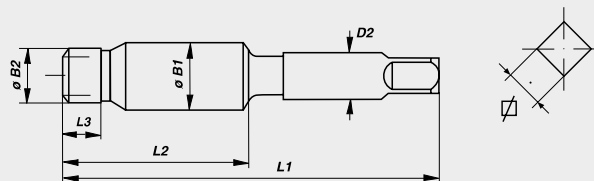


HSS-G

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	11,50
M 8	x 1.25	9.6	8	9	32	75	8	6.3	03631	12,60
M 10	x 1.5	11.9	10	9	37	80	9	7.1	03632	16,20
M 10	x 1.25	11.6	10	8	30	74	8	6.3	03637	16,20
M 10	x 1.0	11.3	10	8	30	74	8	6.3	03633	16,20
M 12	x 1.25	13.6	12	9	32	75	9	7.1	03634	21,00
M 14	x 1.25	15.6	14	10	45	90	12	9.2	03635	24,50
M 18	x 1.5	20.0	18	10	47	116	16	12.5	03636	35,00





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)



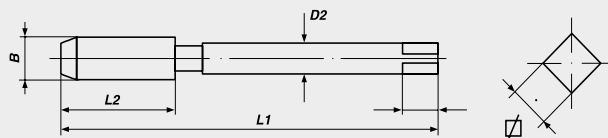
Form B

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	7,00
M 3.5	x 0.6	4.3	53.0	13.0	4.5	3.55	03506	7,00
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03507	7,00
M 5	x 0.8	6.0	66.0	19.0	6.3	5,00	03508	8,00
M 6	x 1.0	7.3	72.0	22.0	8.0	6.40	03509	8,20
M 7	x 1.0	8.3	72.0	22.0	9.0	7.10	03510	10,00
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03511	10,00
M 8	x 1.0	9.3	80.0	24.0	10.0	8.00	03512	10,00
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03515	12,60
M 10	x 1.0	11.3	85.0	25.0	8.0	6.30	03517	12,60
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03520	19,00
M 12	x 1.5	14.0	95.0	30.0	11.2	9.00	03521	19,50
M 12	x 1.25	13.6	95.0	30.0	11.2	9.00	03522	19,50
M 14	x 2.0	16.6	102.0	32.0	12.5	10.00	03527	22,60
M 14	x 1.5	16.0	102.0	32.0	12.5	10.00	03528	22,60
M 14	x 1.25	15.6	102.0	32.0	12.5	10.00	03529	22,60
M 16	x 2.0	18.6	112.0	37.0	14.0	11.20	03533	23,70





STI-Machine Taps (Spiral Flute)

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

Maschi STI a Macchina Elicoidali

per inserti riportati dopo ISO 2 (6H)



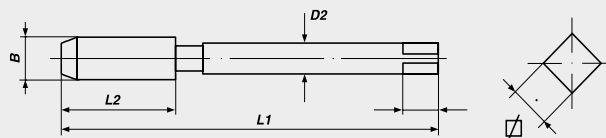
Form C/35°RSP

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	7,00
M 3.5	x 0.6	4.3	53.0	13.0	4.5	3.55	03706	7,00
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03707	7,00
M 5	x 0.8	6.0	66.0	19.0	6.3	5.00	03708	7,60
M 6	x 1.0	7.3	72.0	22.0	8.0	6.40	03709	8,00
M 7	x 1.0	8.3	72.0	22.0	9.0	7.10	03710	10,00
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03711	10,00
M 8	x 1.0	9.3	80.0	24.0	10.0	8.00	03712	10,00
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03715	12,00
M 10	x 1.0	11.3	85.0	25.0	8.0	6.30	03717	12,00
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03720	19,00
M 12	x 1.5	14.0	95.0	30.0	11.2	9.00	03721	19,50
M 12	x 1.25	13.6	95.0	30.0	11.2	9.00	03722	19,50
M 14	x 2.0	16.6	102.0	32.0	12.5	10.00	03727	22,50
M 14	x 1.5	16.0	102.0	32.0	12.5	10.00	03728	22,50
M 14	x 1.25	15.6	102.0	32.0	12.5	10.00	03729	22,50
M 16	x 2.0	18.6	112.0	37.0	14.0	11.20	03733	23,70





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

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



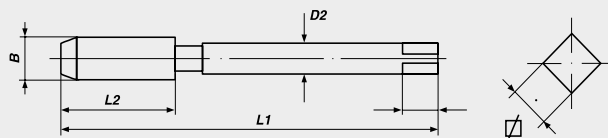
HSS-E Tol. ISO 1 (4H)

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	11,00
M 4	x 0.7	4.9	58.0	16.0	5.0	4.00	03607	12,00
M 5	x 0.8	6.0	66.0	19.0	6.3	5,00	03608	12,00
M 6	x 1.0	7.3	72.0	22.0	8.0	6.40	03609	14,50
M 8	x 1.25	9.6	80.0	24.0	10.0	8.00	03611	17,00
M 10	x 1.5	11.9	89.0	29.0	9.0	7.10	03615	21,50
M 12	x 1.75	14.3	95.0	30.0	11.2	9.00	03620	37,50

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	3,70
M 3 x 0.5	3.6	36.0	11.0	1/4"	03091	3,70
M 4 x 0.7	4.9	36.0	13.0	1/4"	03092	3,90
M 5 x 0.8	6.0	36.0	16.0	1/4"	03093	3,90
M 6 x 1.0	7.3	36.0	17.0	1/4"	03094	5,70
M 8 x 1.25	9.6	42.0	20.0	1/4"	03095	7,70
M 10 x 1.5	11.9	50.0	24.0	1/4"	03096	10,20
M 12 x 1.75	14.3	50.0	29.0	1/4"	03097	11,00

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	3,80
3.2 mm	36.0	16.0	1/4"	03081	3,80
4.2 mm	36.0	16.0	1/4"	03082	3,80
5.2 mm	46.0	26.0	1/4"	03083	3,80
6.3 mm	46.0	26.0	1/4"	03084	3,80
8.3 mm	46.0	26.0	1/4"	03085	4,80
10.4 mm	50.0	33.5	1/4"	03086	6,30
12.4 mm	50.0	33.5	1/4"	03087	7,40



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			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			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			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	00021	0,85
2.3 mm	10	00023	0,85
2.4 mm	10	00024	0,85
2.6 mm	10	00026	1,05
3.0 mm	10	00030	1,05
3.1 mm	10	00031	1,15
3.2 mm	10	00032	1,15
3.4 mm	10	00034	1,15
3.7 mm	10	00037	1,25
3.8 mm	10	00038	1,25
4.2 mm	10	00042	1,40
4.4 mm	10	00044	1,40
4.5 mm	10	00045	1,40
5.0 mm	10	00050	1,50
5.1 mm	10	00051	1,80
5.2 mm	10	00052	1,80
5.8 mm	10	00058	2,00
5.9 mm	10	00059	2,00
6.0 mm	10	00060	2,00
6.2 mm	10	00062	2,30
6.3 mm	10	00063	2,30
6.6 mm	10	00066	2,50
6.7 mm	10	00067	2,50
7.3 mm	10	00073	2,85
8.3 mm	10	00083	4,40
9.3 mm	10	00093	4,40
9.8 mm	10	00098	4,85
9.9 mm	10	00099	4,85
10.3 mm	5	00103	6,30
10.4 mm	5	00104	6,30
11.4 mm	5	00114	8,00
11.5 mm	5	00115	8,00
11.6 mm	5	00116	8,00
12.3 mm	5	00123	10,00
12.4 mm	5	00124	10,00
13.0 mm	5	00130	10,00

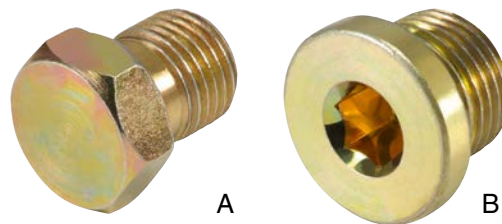



Oil Drain Screws

for oil sump threads

Tappo di scarico dell'olio

per filetti de drenagem do óleo



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			M/MF mm			UNF			BSF		
M	2 x 0.40	2.10	M	36 x 3.0	37.00	No.	4 x 48	3.00		3/16 x 32	5.00
M	2.5 x 0.45	2.60	M	36 x 4.0	37.00	No.	6 x 40	3.70		1/4 x 26	6.60
M	3 x 0.5	3.20	M	39 x 3.0	39.90	No.	8 x 36	4.40		5/16 x 22	8.30
M	3.5 x 0.6	3.70	M	39 x 4.0	40.20	No.	10 x 32	5.10		3/8 x 20	9.90
M	4 x 0.7	4.20	M	40 x 3.0	40.90		1/4 x 28	6.60		7/16 x 18	11.60
M	5 x 0.8	5.20	M	42 x 3.0	42.90		5/16 x 24	8.20		1/2 x 16	13.00
M	6 x 1.0	6.30	M	42 x 4.5	43.40		3/8 x 24	9.80		9/16 x 16	14.80
M	7 x 1.0	7.30	M	45 x 3.0	45.90		7/16 x 20	11.50		5/8 x 14	16.40
M	8 x 1.0	8.30	M	45 x 4.5	46.40		1/2 x 20	13.00		11/16 x 14	17.70
M	8 x 1.25	8.30	M	48 x 3.0	48.90		9/16 x 18	14.80		3/4 x 12	19.50
M	9 x 1.25	9.30	M	48 x 4.0	49.20		5/8 x 18	16.25		7/8 x 11	22.70
M	9 x 1.5	9.50	M	48 x 5.0	49.50		3/4 x 16	19.50		1" x 10	26.50
M	10 x 1.0	10.30	M	50 x 3.0	50.90		7/8 x 14	22.75			
M	10 x 1.25	10.30	M	52 x 3.0	52.90		1" x 12	26.00			
M	10 x 1.5	10.40	M	52 x 5.0	53.50		1" x 14	26.00			
M	11 x 1.25	11.40					1.1/8 x 12	29.00			
M	11 x 1.5	11.40					1.1/4 x 12	32.50			
M	12 x 1.0	12.30					1.3/8 x 12	35.50			
M	12 x 1.25	12.30					1.1/2 x 12	38.50			
M	12 x 1.5	12.40									
M	12 x 1.75	12.40									
M	14 x 1.0	14.30									
M	14 x 1.25	14.40									
M	14 x 1.5	14.40									
M	14 x 2.0	14.50									
M	16 x 1.5	16.40									
M	16 x 2.0	16.50									
M	18 x 1.5	18.50									
M	18 x 2.0	18.50									
M	18 x 2.5	18.60									
M	20 x 1.5	20.50									
M	20 x 2.0	20.50									
M	20 x 2.5	20.60									
M	22 x 1.5	22.50									
M	22 x 2.0	22.50									
M	22 x 2.5	22.60									
M	24 x 1.5	24.50									
M	24 x 2.0	24.50									
M	24 x 3.0	24.75									
M	26 x 1.5	26.50									
M	27 x 1.5	27.50									
M	27 x 2.0	27.50									
M	27 x 3.0	27.75									
M	28 x 1.5	28.50									
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									



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

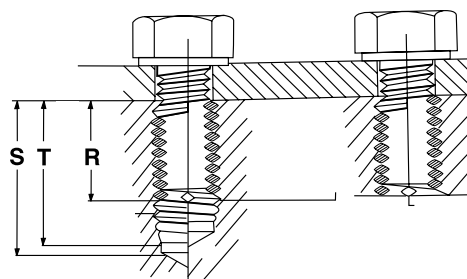
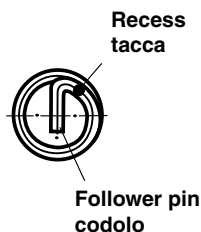
S Drilling Length
T Tapping Length
R Installation Length

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





VÖLKE GmbH

Morsbachtalstraße 20
D-42855 Remscheid

Telefon +49 2191 490112
Telefax +49 2191 490125

Email: info@voelkel.com
Internet: www.voelkel.com