

Gewindeeinsätze
Závitové vložky

6



Gewinde-Reparatur-Sätze
Sady na opravu závitů

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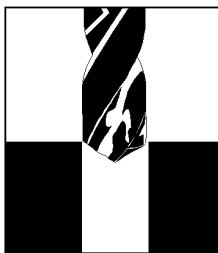
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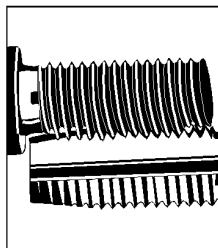
BOHREN

Beschädigtes Gewinde mit normalem Spiralbohrer aufbohren. In den Sätzen liefern wir die Bohrer bis M 12 (1/2") mit. Bei Zündkerzengewinden ist kein Aufbohren erforderlich, hier ist das kombinierte Bohr- und Schneidwerkzeug zu verwenden. Bitte beachten Sie, dass bei Gewindeformern größere Bohrungen erforderlich sind.



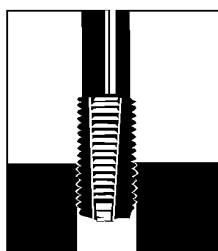
KONTROLLE

Gewindebohrer und Gewindebolzen auf gleiches Gewinde und Steigung überprüfen.



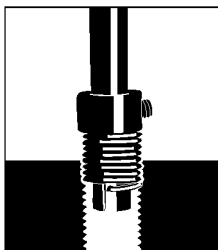
GEWINDE

Mit den speziellen V-COIL-Gewindebohrern das Aufnahme Gewinde in das aufgebohrte Loch schneiden. Die Verwendung von Schneidöl ist zu empfehlen.



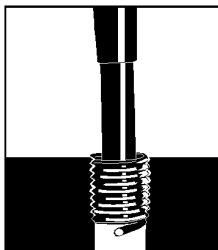
GEWINDEEINSATZ EINBAUEN

Den Einsatz auf das Werkzeug setzen und darauf achten, dass der Mitnehmerzapfen in der Nutöffnung sitzt und dann mit dem Stelling richtig einstellen. Danach unter leichtem Druck den Gewindeeinsatz in Gewinderichtung eindrehen. NICHT gegen die Laufrichtung drehen, der Zapfen kann abbrechen.



ZAPFENBRECHEN

Nach dem Einbau das Eindrehwerkzeug herausnehmen und den Mitnehmerzapfen mit dem Zapfenbrecher entfernen. Bei größeren Abmessungen und beim Zündkerzengewinde ist der Zapfen mit einer Spitzzange herauszunehmen. Nach Beendigung dieser Arbeitsvorgänge ist durch die engen und exakten Toleranzen, sowie die Formung des Federgewindes ein Gewinde entstanden, welches oft besser und stärker ist als das ursprüngliche Gewinde.



VRTÁNÍ

Převrtejte poškozený závit vrtákem. Sady obsahují příslušné vrtáky až do závitu M12 (1/2"). Při opravě závitů pro svíčky není třeba vrtat, pokud se použije spec. závitník pro závity zapalovací svíčky. Pro bezdrážkové-tvářecí závitníky je nutné vrtat větší díru.

KONTROLA

Zkontrolujte, jestli rozměr závitu a stoupání na závitníku i šrubu jsou stejné.

ŘEZÁNÍ ZÁVITU

Použitím speciálního V-Coil závitníku vyřežte závit do vyčištěné díry.

Doporučujeme použít vhodný rezný olej.

MONTÁŽ VLOŽKY

Nasadte vložku na montážní nástroj a posuňte nastavovací kroužek tak, aby jazýček vložky byl ve středu drážky. Zašroubujte vložku lehkým tlakem asi půl otáčky pod povrch. NETOČTE zpět, jazýček vložky by mohl prasknout.

ODSTRANĚNÍ JAZÝČKU

Po dokončení vyjměte montážní nástroj a použijte odlamovač k odstranění jazýčku. Pro větší velikosti a závitů zapal. svíček je třeba použít kleště s dlouhými čelistmi. Přesný rozměr a nízké tolerance dovolují, že nový závit je obvykle pevnější než původní.

Anwendung:

Gewindepanzerung von Werkstoffen mit geringer Scherfestigkeit, z.B. Aluminium- und Magnesium-Legierungen, im Maschinenbau, in der Kfz-, Elektro- und Medizin-Technik sowie in der Luft- und Raumfahrt. Gewindereparatur beschädigter oder abgenutzter Gewinde. Ausschußrückgewinnung

Aplikace:

Vyztužení závitu. Pro materiály s nízkou pevností ve střihu, jako např. hliníkové a hořčíkové slitiny. Používá se při výrobě strojů, v automobilovém, leteckém a medicínském průmyslu. Opravy poškozených a opotřebovaných závitů. Obnova vyražených dílů.

Gewindeeinsätze

Závitové vložky

| | Typ "S" frei durchlaufen / volně průchozí | Typ "SL" selbstsichernd / samojistící |
|---------|--|--|
| M / MF | 6-7 | 10 |
| UNC | 8 | |
| UNF | 8 | |
| BSW | 9 | |
| BSF | 9 | |
| G (BSP) | 7 | |

V-Coil-Einsätze sind aus hochwertigem Chromnickel-Nirostastahl hergestellt und sorgen für feste Innengewinde, die Temperatur- und Korrosionswirkungen widerstehen.

Die einzigartige Konstruktion gewährleistet hervorragende Gewinde, deren Gesamleistungsmerkmale durch keine andere Einzelbefestigungsmethode nachgebildet werden können. Lieferbar sind zwei Grundauführungen: frei durchlaufend und selbstsichernd. Beide sind erheblich leichter und kostengünstiger als jede andere vergleichbare Gewindeeinsatzform. Aufgrund ihrer kompakten Bauweise lassen sie sich meist in bestehende Konstruktionen einbauen, auch wenn keine sonstigen Vorbereitungen dafür getroffen sind.

frei durchlaufende Einsätze – Typ „S“

Hergestellt aus austenitischem rostfreiem Präzisionsprofilstahldraht, weisen V-Coil Gewindeeinsätze eine federartige Form auf. Nach der Montage, die über eines der verschiedenen Hand- oder Maschinen-Einbauwerkzeuge erfolgt, sorgen sie für feste und dauerhafte Innengewinde, die Temperatur- und Korrosionswirkungen widerstehen. Nach erfolgtem Einbau wird die Lage durch die Radialdruckwirkung zwischen den Windungen und Flanken der Gewindebohrung aufrechterhalten. Dieser Druck entsteht, weil der freie Durchmesser um ein vorausgerechnetes Maß größer ausfällt, als der Einbaudurchmesser.

selbstsichernde Einsätze – Typ „SL“

Selbstsichernde Einsätze sind bei Anwendungen die Schwingungs- oder Stoßwirkungseffekten ausgesetzt sind von besonderer Bedeutung. Neben den Vorzügen der freilaufenden Einsätze bieten V-Coil selbstsichernde Einsätze die zusätzliche Sicherheit des Klemm-Drehmoments. Dies wird durch die Wirkung von einer oder mehreren Polygon-Klemmwindungen erreicht, die über die Länge des Einsatzes verteilt sind und die einen Radialdruck auf das Außengewinde (z.B. Schraube) ausüben. Jede Klemmwindung besteht aus einer Anzahl tangentialer Stränge, die über den Durchmesser der gewöhnlichen freilaufenden Windungen herausragen.

Beim Einschrauben des Gewindebolzens/Schraube kommt es zu einer Verschiebung der Klemmflächen und somit zur Ausübung von Radialdruck auf das Außengewinde. Beim Entfernen des Gewindebolzens/Schraube entspannen sich die Klemmwindungen und nehmen dabei ihre ursprüngliche Form wieder an, so dass ein wiederholtes Einschrauben unter Beibehaltung eines messbaren Grades an Radialdruck möglich ist.

Hinweis: In Verbindung mit selbstsichernden Gewindeeinsätzen wird empfohlen, nur beschichtete oder geschmierte Paßfit-Schrauben bzw. Bolzen zu verwenden.

V-Coil závitové vložky jsou vyrobeny z vysoce kvalitní chromniklové nerezové oceli a vytváří pevné, vnitřní, teplu a korozi odolné závit.

Jedinečná konstrukce zajišťují vynikající závit, jejichž celkové výkonové charakteristiky nemohou být napodobeny žádným jiným způsobem upevnění.

Dodávány jsou dvě základní provedení: volně průchozí a samojistící. Obě varianty jsou podstatně jednodušší a levnější než jakékoliv ostatní druhy závitových vložek.

Kvůli jejich rozměrové nenáročnosti na zástavbu je možné je ve většině případů zabudovat do stávající konstrukce a není k tomu potřeba žádných zvláštních úprav.

Volně průchozí vložky typ S

Jsou vyrobeny z austenického korozi odolného přesně profilovaného drátu, přičemž V-Coil závitové vložky mají tvar pružiny. Po montáži, provedené ručně nebo strojně zajišťují pevně trvanlivé vnitřní závitníky, které výborně odolávají tepelnému zatížení i korozi. Po úspěšné montáži dosednou závit vložky díky radiální silám přesně do připraveného otvoru. Tyto síly vznikají proto, že volný průměr vložky v nezamontovaném stavu je větší než průměr otvoru.

Samojistící vložky typ SL

Samojistící vložky mají zvláštní význam při použití v případech, kdy dochází ke chvění, nebo k rázovému namáhání. vedle výše uvedených volných vložek nabízí V-Coil samojistící vložky s dostatečným zabezpečením proti povolání. Toho je dosaženo působením jednoho nebo více polygonálních svěracích závitů, které jsou v délce vložky rozděleny tak, že vykonávají radiální tlak i na vnitřní závit (šroub). Každý svěrací závit má určité množství tangenciálních plošek přesahujících přes vnitřní průměr volné vložky. Při zašroubování se svorník nebo šroub posouvá po svěracích ploškách, čímž se vyvíjí tlak na vnitřní závit. Po vyšroubování šroubu zaujme svěrací závit svůj původní tvar, po opětovném zašroubování šroubu je zachován dostatečný radiální tlak.

Poznámka: Ve spojnicích se samojistícími vložkami doporučujeme použít pouze povlakované nebo mazané šrouby.



Gewindeeinsätze - Typ Standard

"frei durchlaufend", aus rostfreiem Stahl

Závitové vložky - Typ Standard

"volně průchozí", z nerezové oceli



DIN 8140 Toleranz/ Tolerance ISO 2 (6H)

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

Gewindeeinsätze für Zündkerzengewinde

Závitové vložky pro zapalovací svíčky

| Nennmaß D Jm. rozměr | | 8,40 mm Art.-No./Obj.č. | 12,40 mm Art.-No./Obj.č. | 16,40 mm Art.-No./Obj.č. |
|-------------------------|----|----------------------------|-----------------------------|-----------------------------|
| M 14 x 1.25 | 50 | 07128 | 07228 | 07328 |

Gewindeeinsätze - Typ Standard
 "frei durchlaufend", aus rostfreiem Stahl"

Závitové vložky - Typ Standard
 "volně průchozí", z nerezové oceli



DIN 8140 Toleranz / Tolerance ISO 2 (6H)

| Nennmaß D Jmenovitý rozměr |  | 1,5 D Art.-No./Obj.č. |
|-------------------------------|---|--------------------------|
| M | | |
| M 26 x 1.5 | 5 | 07349 |
| M 27 x 3.0 | 5 | 07350 |
| M 27 x 2.0 | 5 | 07351 |
| M 27 x 1.5 | 5 | 07352 |
| M 28 x 1.5 | 5 | 07353 |
| M 30 x 3.5 | 5 | 07354 |
| M 30 x 2.0 | 5 | 07355 |
| M 30 x 1.5 | 5 | 07356 |
| M 33 x 3.5 | 5 | 07357 |
| M 33 x 2.0 | 5 | 07358 |
| M 36 x 4.0 | 5 | 07360 |
| M 36 x 3.0 | 5 | 07361 |
| M 36 x 2.0 | 5 | 07362 |
| M 36 x 1.5 | 5 | 07363 |
| G (BSP) | | |
| 1/8 x 28 | 50 | 08380 |
| 1/4 x 19 | 50 | 08381 |
| 3/8 x 19 | 50 | 08382 |
| 1/2 x 14 | 50 | 08383 |
| 5/8 x 14 | 5 | 08384 |
| 3/4 x 14 | 5 | 08385 |
| 7/8 x 14 | 5 | 08386 |
| 1" x 11 | 5 | 08387 |

Gewindeeinsätze - Typ Standard

"frei durchlaufend", aus rostfreiem Stahl

Závitové vložky - Typ Standard

"volně průchozí", z nerezové oceli

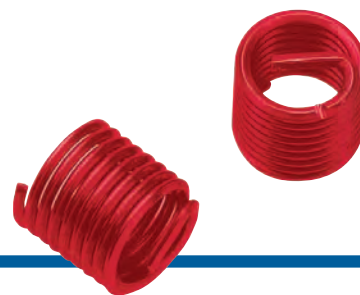


DIN 8140 Toleranz/Tolerance 2B


| Nennmaß D Jm. rozměr | | 1,0 D Art.-No./Obj.č. | 1,5 D Art.-No./Obj.č. | 2,0 D Art.-No./Obj.č. | 2,5 D Art.-No./Obj.č. | 3,0 D Art.-No./Obj.č. |
|-------------------------|-----|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| UNC | | | | | | |
| No./č. 2 x 56 | 100 | 08200 | 08300 | 08400 | 08500 | 08600 |
| No./č. 4 x 40 | 100 | 08201 | 08301 | 08401 | 08501 | 08601 |
| No./č. 5 x 40 | 100 | 08202 | 08302 | 08402 | 08502 | 08602 |
| No./č. 6 x 32 | 100 | 08203 | 08303 | 08403 | 08503 | 08603 |
| No./č. 8 x 32 | 100 | 08204 | 08304 | 08404 | 08504 | 08604 |
| No./č. 10 x 24 | 100 | 08205 | 08305 | 08405 | 08505 | 08605 |
| No./č. 12 x 24 | 100 | 08206 | 08306 | 08406 | 08506 | 08606 |
| 1/4 x 20 | 100 | 08207 | 08307 | 08407 | 08507 | 08607 |
| 5/16 x 18 | 100 | 08208 | 08308 | 08408 | 08508 | 08608 |
| 3/8 x 16 | 100 | 08209 | 08309 | 08409 | 08509 | 08609 |
| 7/16 x 14 | 100 | 08210 | 08310 | 08410 | 08510 | 08610 |
| 1/2 x 13 | 100 | 08211 | 08311 | 08411 | 08511 | 08611 |
| 9/16 x 12 | 50 | 08212 | 08312 | 08412 | 08512 | 08612 |
| 5/8 x 11 | 50 | 08214 | 08314 | 08414 | 08514 | 08614 |
| 3/4 x 10 | 25 | 08216 | 08316 | 08416 | 08516 | 08616 |
| 7/8 x 9 | 10 | 08218 | 08318 | 08418 | 08518 | 08618 |
| 1" x 8 | 10 | 08219 | 08319 | 08419 | 08519 | 08619 |
| 1.1/8 x 7 | 5 | | 08320 | | | |
| 1.1/4 x 7 | 5 | | 08321 | | | |
| 1.3/8 x 6 | 5 | | 08322 | | | |
| 1.1/2 x 6 | 5 | | 08323 | | | |
| UNF | | | | | | |
| No./č. 4 x 48 | 100 | 08290 | 08390 | 08490 | 08590 | 08690 |
| No./č. 6 x 40 | 100 | 08291 | 08391 | 08491 | 08591 | 08691 |
| No./č. 8 x 36 | 100 | 08292 | 08392 | 08492 | 08592 | 08692 |
| No./č. 10 x 32 | 100 | 08293 | 08393 | 08493 | 08593 | 08693 |
| 1/4 x 28 | 100 | 08225 | 08325 | 08425 | 08525 | 08625 |
| 5/16 x 24 | 100 | 08226 | 08326 | 08426 | 08526 | 08626 |
| 3/8 x 24 | 100 | 08227 | 08327 | 08427 | 08527 | 08627 |
| 7/16 x 20 | 100 | 08228 | 08328 | 08428 | 08528 | 08628 |
| 1/2 x 20 | 100 | 08229 | 08329 | 08429 | 08529 | 08629 |
| 9/16 x 18 | 50 | 08230 | 08330 | 08430 | 08530 | 08630 |
| 5/8 x 18 | 50 | 08231 | 08331 | 08431 | 08531 | 08631 |
| 3/4 x 16 | 25 | 08233 | 08333 | 08433 | 08533 | 08633 |
| 7/8 x 14 | 10 | 08235 | 08335 | 08435 | 08535 | 08635 |
| 1" x 12 | 10 | 08237 | 08337 | 08437 | 08537 | 08637 |
| 1.1/8 x 12 | 5 | | 08396 | | | |
| 1.1/4 x 12 | 5 | | 08397 | | | |
| 1.3/8 x 12 | 5 | | 08398 | | | |
| 1.1/2 x 12 | 5 | | 08399 | | | |

Gewindeeinsätze - Typ SL
selbstsichernd, aus rostfreiem Stahl
rot eingefärbt

Závitové vložky - Typ SL
samojistící, z nerezové oceli
červené



DIN 8140 Toleranz/Tolerance ISO 2 (6H)

| Nennmaß D Jm. rozměr |  | 1,0 D Art.-No. /Obj.č. | 1,5 D Art.-No. /Obj.č. | 2,0 D Art.-No. /Obj.č. |
|-------------------------|---|---------------------------|---------------------------|---------------------------|
| M | | | | |
| M 3 x 0.5 | 100 | 05205 | 05305 | 05405 |
| M 4 x 0.7 | 100 | 05207 | 05307 | 05407 |
| M 5 x 0.8 | 100 | 05208 | 05308 | 05408 |
| M 6 x 1.0 | 100 | 05209 | 05309 | 05409 |
| M 8 x 1.25 | 100 | 05211 | 05311 | 05411 |
| M 10 x 1.5 | 100 | 05215 | 05315 | 05415 |
| M 12 x 1.75 | 100 | 05221 | 05321 | 05421 |
| M 14 x 2.0 | 50 | 05225 | 05325 | 05425 |
| M 16 x 2.0 | 50 | 05234 | 05334 | 05434 |

Gewinde-Reparatur-Sätze

Sada na opravu závitů

| | V-COIL | V-COIL rapid |
|---------|--------|--------------|
| M / MF | 13-14 | 12 |
| UNC | 15 | |
| UNF | 16 | |
| BSW | 17 | |
| BSF | 17 | |
| G (BSP) | 18 | |
| | | |




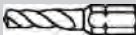




Gewinde-Reparatur-Sätze V-COIL rapid

Gewindeeinsätze - Typ Standard 1,5 D

Sada na opravu závitů V-COIL rapid

Závitové vložky - Typ Standard 1,5 D



|       | | | | | | Art.-No./Obj.č. |
|--|---------|-------|-------|------|----|-----------------|
| M | | | | | | |
| M 2.5 x 0.45 | 2.6 mm | 08090 | 07090 | 1/4" | 10 | 04303 |
| M 3 x 0.5 | 3.2 mm | 08091 | 07091 | 1/4" | 10 | 04305 |
| M 4 x 0.7 | 4.2 mm | 08092 | 07092 | 1/4" | 10 | 04307 |
| M 5 x 0.8 | 5.2 mm | 08093 | 07093 | 1/4" | 10 | 04309 |
| M 6 x 1.0 | 6.3 mm | 08094 | 07094 | 1/4" | 10 | 04310 |
| M 8 x 1.25 | 8.3 mm | 08095 | 07095 | 1/4" | 10 | 04312 |
| M 10 x 1.5 | 10.4 mm | 08096 | 07096 | 1/4" | 10 | 04316 |
| M 12 x 1.75 | 12.4 mm | 08097 | 07097 | 1/4" | 6 | 04321 |






Gewinde-Reparatur-Sätze

Gewindeeinsätze - Typ Standard 1,5 D

Sady na opravu závitů

Závitové vložky - Typ Standard 1,5 D



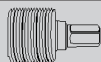
|      | | | | | | Art.-No./Obj.č. |
|--|---------|----------|----------|----|--|-----------------|
| M | | | | | | |
| M 2 x 0.4 | 2.1 mm | No./č 2 | No./č 2 | 20 | | 04001 |
| M 2.5 x 0.45 | 2.6 mm | No./č 3 | No./č 3 | 20 | | 04003 |
| M 3 x 0.5 | 3.2 mm | No./č 4 | No./č 4 | 20 | | 04005 |
| M 3.5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

Gewinde-Reparatur-Sätze
STI-Gewindebohrersatz, 2-tlg.
Einbauwerkzeug mit Sechskantschaft
Gewindeeinsätze - Typ Standard 1,5 D

Sada na opravu závitů
STI-sada závitníků, 2-dílná.
Zavaděč se šestihranným dříkem
Závitové vložky - Typ Standard 1,5 D



Abmessung
Rozměr



Art.-No./Obj.č.

M

| | | | | | |
|------------|-------|-------|-------|----|-------|
| M 26 x 1.5 | 03049 | 08024 | 07349 | 10 | 04049 |
| M 27 x 3.0 | 03050 | 08025 | 07350 | 10 | 04050 |
| M 27 x 2.0 | 03051 | 08026 | 07351 | 10 | 04051 |
| M 27 x 1.5 | 03052 | 08027 | 07352 | 10 | 04052 |
| M 28 x 1.5 | 03053 | 08028 | 07353 | 10 | 04053 |
| M 30 x 3.5 | 03054 | 08029 | 07354 | 10 | 04054 |
| M 30 x 2.0 | 03055 | 08030 | 07355 | 10 | 04055 |
| M 30 x 1.5 | 03056 | 08031 | 07356 | 10 | 04056 |
| M 33 x 3.5 | 03057 | 08032 | 07357 | 10 | 04057 |
| M 33 x 2.0 | 03058 | 08033 | 07358 | 10 | 04058 |
| M 36 x 4.0 | 03060 | 08034 | 07360 | 10 | 04060 |
| M 36 x 3.0 | 03061 | 08035 | 07361 | 10 | 04061 |
| M 36 x 2.0 | 03062 | 08036 | 07362 | 10 | 04062 |
| M 36 x 1.5 | 03063 | 08037 | 07363 | 10 | 04063 |






Gewinde-Reparatur-Sätze

Gewindeeinsätze - Typ Standard 1,5 D

Sady na opravu závitů

Závitové vložky - Typ Standard 1,5 D



|      | | | | | | Art.-No./Obj.č. |
|--|-----------|---------|--------|----|----|-----------------|
| UNC | | | | | | |
| No./č. | 2 x 56 | 2.4 mm | No./č. | 2 | 20 | 04100 |
| No./č. | 4 x 40 | 3.1 mm | No./č. | 4 | 20 | 04101 |
| No./č. | 5 x 40 | 3.4 mm | No./č. | 4 | 20 | 04106 |
| No./č. | 6 x 32 | 3.8 mm | No./č. | 5 | 20 | 04102 |
| No./č. | 8 x 32 | 4.4 mm | No./č. | 6 | 20 | 04103 |
| No./č. | 10 x 24 | 5.2 mm | No./č. | 7 | 20 | 04104 |
| No./č. | 12 x 24 | 5.8 mm | No./č. | 8 | 20 | 04105 |
| | 1/4 x 20 | 6.7 mm | No./č. | 9 | 20 | 04107 |
| | 5/16 x 18 | 8.3 mm | No./č. | 10 | 20 | 04108 |
| | 3/8 x 16 | 9.9 mm | No./č. | 12 | 15 | 04109 |
| | 7/16 x 14 | 11.6 mm | No./č. | 14 | 10 | 04110 |
| | 1/2 x 13 | 13.0 mm | No./č. | 15 | 10 | 04111 |
| | 9/16 x 12 | | No./č. | 16 | 10 | 04112 |
| | 5/8 x 11 | | No./č. | 18 | 10 | 04113 |
| | 3/4 x 10 | | No./č. | 20 | 5 | 04114 |
| | 7/8 x 9 | | No./č. | 22 | 5 | 04115 |
| | 1" x 8 | | No./č. | 23 | 4 | 04116 |

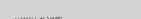



Gewinde-Reparatur-Sätze

STI-Gewindebohrersatz, 2-tlg.
 Einbauwerkzeug mit Sechskantschaft
 Gewindeeinsätze - Typ Standard 1,5 D

Sada na opravu závitů

STI-sada závitníků, 2-dílná.
 Zavaděč se šestihránným dříkem
 Závitové vložky - Typ Standard 1,5 D



| Abmessung Rozměr |  |  |  |  | Art.-No./Obj.č. |
|---------------------|---|---|---|--|-----------------|
| UNC | | | | | |
| 1.1/8" x 7 | 03117 | 08050 | 08320 | 10 | 04117 |
| 1.1/4" x 7 | 03118 | 08051 | 08321 | 10 | 04118 |
| 1.3/8" x 6 | 03119 | 08052 | 08322 | 10 | 04119 |
| 1.1/2" x 6 | 03120 | 08053 | 08323 | 10 | 04135 |






Gewinde-Reparatur-Sätze

Gewindeeinsätze - Typ Standard 1,5 D

Sady na opravu závitů

Závitové vložky - Typ Standard 1,5 D



|      | | | | | Art.-No./Obj.č. | |
|---|-----------|---------|--------|----|-----------------|-------|
| UNF | | | | | | |
| No./č. | 4 x 48 | 3.0 mm | No./č. | 4 | 20 | 04120 |
| No./č. | 6 x 40 | 3.8 mm | No./č. | 5 | 20 | 04121 |
| No./č. | 8 x 36 | 4.4 mm | No./č. | 6 | 20 | 04122 |
| No./č. | 10 x 32 | 5.1 mm | No./č. | 8 | 20 | 04123 |
| | 1/4 x 28 | 6.7 mm | No./č. | 9 | 20 | 04125 |
| | 5/16 x 24 | 8.3 mm | No./č. | 11 | 20 | 04126 |
| | 3/8 x 24 | 9.8 mm | No./č. | 13 | 15 | 04127 |
| | 7/16 x 20 | 11.5 mm | No./č. | 14 | 10 | 04128 |
| | 1/2 x 20 | 13.0 mm | No./č. | 15 | 10 | 04129 |
| | 9/16 x 18 | | No./č. | 16 | 10 | 04130 |
| | 5/8 x 18 | | No./č. | 18 | 10 | 04131 |
| | 3/4 x 16 | | No./č. | 21 | 5 | 04132 |
| | 7/8 x 14 | | No./č. | 22 | 5 | 04133 |
| | 1" x 12 | | No./č. | 23 | 4 | 04134 |





Gewinde-Reparatur-Sätze

STI-Gewindebohrersatz, 2-tlg.
Einbauwerkzeug mit Sechskantschaft
Gewindeeinsätze - Typ Standard 1,5 D

Sady na opravu závitů

STI-závitníkové sady, 2-dílné.
Zavaděč se šestihránným dírkem
Závitové vložky - Typ Standard 1,5 D



| Abmessung Rozměr |  |  |  |  | Art.-No./Obj.č. |
|---------------------|---|---|---|--|-----------------|
| UNF | | | | | |
| 1.1/8" x 12 | 03166 | 08060 | 08396 | 10 | 04136 |
| 1.1/4" x 12 | 03167 | 08061 | 08397 | 10 | 04137 |
| 1.3/8" x 12 | 03168 | 08062 | 08398 | 10 | 04138 |
| 1.1/2" x 12 | 03169 | 08063 | 08399 | 10 | 04139 |






Gewinde-Reparatur-Satz

Gewindeeinsätze - Typ Standard 1,5 D

Sada na opravu závitů

Závitové vložky - Typ Standard 1,5 D



|      | | | | | | Art.-No./Obj.č. |
|--|---------|-----------|-----------|----|--|-----------------|
| BSW | | | | | | |
| 1/8 x 4 | 3.4 mm | No./č. 4 | No./č. 4 | 20 | | 04141 |
| 3/16 x 24 | 5.0 mm | No./č. 8 | No./č. 8 | 20 | | 04142 |
| 1/4 x 20 | 6.7 mm | No./č. 9 | No./č. 9 | 20 | | 04143 |
| 5/16 x 18 | 8.3 mm | No./č. 10 | No./č. 11 | 20 | | 04144 |
| 3/8 x 16 | 9.9 mm | No./č. 12 | No./č. 12 | 15 | | 04145 |
| 7/16 x 14 | 11.5 mm | No./č. 14 | No./č. 14 | 10 | | 04146 |
| 1/2 x 12 | 13.0 mm | No./č. 15 | No./č. 15 | 10 | | 04147 |
| 9/16 x 12 | | No./č. 16 | | 10 | | 04148 |
| 5/8 x 11 | | No./č. 18 | | 10 | | 04149 |
| 3/4 x 10 | | No./č. 20 | | 5 | | 04150 |
| 7/8 x 9 | | No./č. 22 | | 5 | | 04151 |
| 1" x 8 | | No./č. 23 | | 4 | | 04152 |
| BSF | | | | | | |
| 3/16 x 32 | 5.0 mm | No./č. 7 | No./č. 6 | 20 | | 04162 |
| 1/4 x 26 | 6.6 mm | No./č. 9 | No./č. 9 | 20 | | 04163 |
| 5/16 x 22 | 8.3 mm | No./č. 11 | No./č. 11 | 20 | | 04165 |
| 3/8 x 20 | 9.9 mm | No./č. 13 | No./č. 13 | 15 | | 04166 |
| 7/16 x 18 | 11.5 mm | No./č. 14 | No./č. 14 | 10 | | 04167 |
| 1/2 x 16 | 13.0 mm | No./č. 15 | No./č. 15 | 10 | | 04168 |
| 9/16 x 16 | | No./č. 16 | | 10 | | 04169 |
| 5/8 x 14 | | No./č. 18 | | 10 | | 04170 |
| 3/4 x 12 | | No./č. 20 | | 5 | | 04172 |
| 7/8 x 11 | | No./č. 22 | | 5 | | 04174 |
| 1" x 10 | | No./č. 23 | | 4 | | 04176 |

Gewinde-Reparatur-Sätze

STI-Gewindebohrersatz, 2-tlg.

Einbauwerkzeug mit Sechskantschaft

Gewindeeinsätze - Typ Standard 1,5 D





Sady na opravu závitů

STI-závitníkové sady, 2-dílné.

Zavaděč se šestihranným dříkem

Závitové vložky - Typ Standard 1,5 D



| Abmessung Rozměr |  |  |  |  | Art.-No./Obj.č. |
|---------------------|---|---|---|--|-----------------|
| G (BSP) | | | | | |
| G 1/8 x 28 | 03311 | 08080 | 08380 | 10 | 04190 |
| G 1/4 x 19 | 03312 | 08081 | 08381 | 10 | 04191 |
| G 3/8 x 19 | 03313 | 08082 | 08382 | 10 | 04192 |
| G 1/2 x 14 | 03314 | 08083 | 08383 | 10 | 04193 |
| G 5/8 x 14 | 03315 | 08084 | 08384 | 10 | 04194 |
| G 3/4 x 14 | 03316 | 08085 | 08385 | 10 | 04195 |
| G 7/8 x 14 | 03318 | 08086 | 08386 | 10 | 04196 |
| G 1" x 11 | 03317 | 08087 | 08387 | 10 | 04197 |

Gewinde-Reparatur-Sortimente

Sady na opravu závitů - kombinované

| | M | BSW/BSF | UNC/UNF |
|---|-------|---------|---------|
| V-COIL | 21 | 22 | 22 |
| V-COIL rapid | 20 | | |
| mit Maschinen-Einbauwerkzeug se strojním zavaděčem | 23-24 | | |









Gewinde-Reparatur-Sortimente V-COIL rapid

Gewindeeinsätze - Typ Standard 1,5 D

Sady na opravu závitů - kombinované V-COIL rapid

Závitové vložky - Typ Standard 1,5 D








|       | | | | | | Art.-No./ Obj.č |
|---|---------|-------|-------|------|----|-----------------|
| M 5 - M 12 | | | | | | 04381 |
| 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 | |
| M 6 - M 10 | | | | | | 04385 |
| 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 | |

Gewinde-Reparatur-Sortimente

Sady na opravu závitů - kombinované








|      | | | | | Art.-No./ Obj.č. |
|--|---------|----------|----------|----|------------------|
| M 5 - M 12 | | | | | 04081 |
| M 5 x 0.8 | 5.2 mm | No./č 8 | No./č 8 | 25 | |
| M 6 x 1.0 | 6.3 mm | No./č 9 | No./č 9 | 25 | |
| M 8 x 1.25 | 8.3 mm | No./č 11 | No./č 11 | 25 | |
| M 10 x 1.5 | 10.4 mm | No./č 13 | No./č 13 | 25 | |
| M 12 x 1.75 | 12.4 mm | No./č 15 | No./č 15 | 10 | |
| M 6 - M 14 x 1.25 / NP | | | | | 04082 |
| M 6 x 1.0 | 6.3 mm | No./č 9 | No./č 9 | 25 | |
| M 8 x 1.25 | 8.3 mm | No./č 11 | No./č 11 | 25 | |
| M 10 x 1.5 | 10.4 mm | No./č 13 | No./č 13 | 25 | |
| M 12 x 1.75 | 12.4 mm | No./č 15 | No./č 15 | 10 | |
| M 14 x 1.25 | | No./č 17 | | 10 | |
| M 6 - M 14 x 1.25 / PT (*Kombibohrer/ Kombinovaný závitník) | | | | | 04083 |
| M 6 x 1.0 | 6.3 mm | No./č 9 | No./č 9 | 25 | |
| M 8 x 1.25 | 8.3 mm | No./č 11 | No./č 11 | 25 | |
| M 10 x 1.5 | 10.4 mm | No./č 13 | No./č 13 | 25 | |
| M 12 x 1.75 | 12.4 mm | No./č 15 | No./č 15 | 10 | |
| M 14 x 1.25* | | No./č 17 | | 10 | |
| M 6 - M 10 | | | | | 04085 |
| M 6 x 1.0 | 6.3 mm | No./č 9 | No./č 9 | 25 | |
| M 8 x 1.25 | 8.3 mm | No./č 11 | No./č 11 | 25 | |
| M 10 x 1.5 | 10.4 mm | No./č 13 | No./č 13 | 25 | |

Gewinde-Reparatur-Sortimente

Sady na opravu závitů - kombinované



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

Gewinde-Reparatur-Sortimente
mit Maschinen-Einbauwerkzeug
und STI-Maschinengewindebohrer (Form B)

Sady na opravu závitů - kombinované
se strojním zaváděčem
a STI strojními závitníky (Forma B)





|  |  |  |  |  | Art.-No./Obj.č. |
|---|---|---|---|---|-----------------|
|---|---|---|---|---|-----------------|

| | | | | | |
|-------------|---------|------|-----------|----|-------|
| M 5 - M 12 | | | | | 04087 |
| M 5 x 0.8 | 5.2 mm | M 5 | No./č. 8 | 25 | |
| M 6 x 1.0 | 6.3 mm | M 6 | No./č. 9 | 25 | |
| M 8 x 1.25 | 8.3 mm | M 8 | No./č. 11 | 25 | |
| M 10 x 1.5 | 10.4 mm | M 10 | No./č. 13 | 25 | |
| M 12 x 1.75 | 12.4 mm | M 12 | No./č. 15 | 10 | |

Maschinen-Einbauwerkzeuge mit 1/4" Sechskant-Aufnahme

Strojní zavaděč se 1/4" šestihránným náhonem

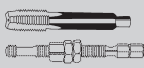





| Abmessung Rozměr | L 1 |  |  | Art.-No./Obj.č. |
|---------------------|-----|---|---|-----------------|
| M | | | | |
| M 3 x 0.5 | 46 | 6 | 1/4" | 08070 |
| M 4 x 0.7 | 56 | 7 | 1/4" | 08071 |
| M 5 x 0.8 | 62 | 8 | 1/4" | 08072 |
| M 6 x 1.0 | 76 | 10 | 1/4" | 08073 |
| M 8 x 1.25 | 85 | 12 | 1/4" | 08074 |
| M 10 x 1.5 | 96 | 14 | 1/4" | 08075 |
| M 12 x 1.75 | 107 | 16 | 1/4" | 08076 |

Gewinde-Reparatur-Sätze mit Maschinen-Einbauwerkzeug und STI-Maschinengewindebohrer (Form B)

Sady na opravu závitů se strojním zavaděčem a strojními STI-závitníky (Forma B)



|  |  |  |  | Art.-No./Obj.č. |
|---|---|---|---|-----------------|
| M | | | | |
| M 3 x 0.5 | 3.2 mm | No./č. 4 | 20 | 04070 |
| M 4 x 0.7 | 4.2 mm | No./č. 6 | 20 | 04071 |
| M 5 x 0.8 | 5.2 mm | No./č. 8 | 20 | 04072 |
| M 6 x 1.0 | 6.3 mm | No./č. 9 | 20 | 04073 |
| M 8 x 1.25 | 8.3 mm | No./č. 11 | 20 | 04074 |
| M 10 x 1.5 | 10.4 mm | No./č. 13 | 15 | 04075 |
| M 12 x 1.75 | 12.4 mm | No./č. 15 | 10 | 04076 |

Einbauwerkzeuge

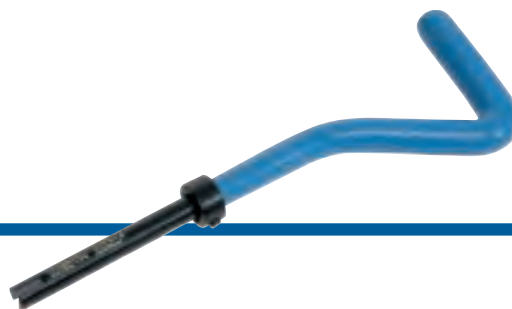
Montážní nástroje

| | |
|---------------------------------|----|
| Handeinbauwerkzeuge | 26 |
| Ruční zavaděče | |
| Einbauwerkzeuge mit Sechskant | 27 |
| Zavaděče se šestihranným dříkem | |
| Maschinen-Einbauwerkzeug | 24 |
| Strojní zavaděče | |
| Zapfenbrecher | 28 |
| Odlamovače | |
| Ausdrehwerkzeuge | 28 |
| Vytahovače | |



Handeinbauwerkzeuge mit Feststellring

Ruční zavaděče s pevným stavěcím kroužkem




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

Einbauwerkzeuge mit Sechskant-Aufnahme

Zavaděče se šestihránným dříkem



| Nennmaß D Jm. rozměr |  | Art.-No./Obj.č. |
|-------------------------|---|-----------------|
| M | | |
| M 2.5 x 0.45 | 1/4" | 08090 |
| M 3 x 0.5 | 1/4" | 08091 |
| M 4 x 0.7 | 1/4" | 08092 |
| M 5 x 0.8 | 1/4" | 08093 |
| M 6 x 1.0 | 1/4" | 08094 |
| M 8 x 1.25 | 1/4" | 08095 |
| M 10 x 1.5 | 1/4" | 08096 |
| M 12 x 1.75 | 1/4" | 08097 |
| M 26 x 1.5 | 1/2" | 08024 |
| M 27 x 3.0 | 1/2" | 08025 |
| M 27 x 2.0 | 1/2" | 08026 |
| M 27 x 1.5 | 1/2" | 08027 |
| M 28 x 1.5 | 1/2" | 08028 |
| M 30 x 3.5 | 1/2" | 08029 |
| M 30 x 2.0 | 1/2" | 08030 |
| M 30 x 1.5 | 1/2" | 08031 |
| M 33 x 3.5 | 1/2" | 08032 |
| M 33 x 2.0 | 1/2" | 08033 |
| M 36 x 4.0 | 1/2" | 08034 |
| M 36 x 3.0 | 1/2" | 08035 |
| M 36 x 2.0 | 1/2" | 08036 |
| M 36 x 1.5 | 1/2" | 08037 |
| UNC | | |
| 1.1/8 x 7.0 | 1/2" | 08050 |
| 1.1/4 x 7.0 | 1/2" | 08051 |
| 1.3/8 x 6.0 | 1/2" | 08052 |
| 1.1/2 x 6.0 | 1/2" | 08053 |
| UNF | | |
| 1.1/8 x 12 | 1/2" | 08060 |
| 1.1/4 x 12 | 1/2" | 08061 |
| 1.3/8 x 12 | 1/2" | 08062 |
| 1.1/2 x 12 | 1/2" | 08063 |
| G (BSP) | | |
| 1/8 x 28 | 1/4" | 08080 |
| 1/4 x 19 | 1/4" | 08081 |
| 3/8 x 19 | 1/4" | 08082 |
| 1/2 x 14 | 1/4" | 08083 |
| 5/8 x 14 | 1/2" | 08084 |
| 3/4 x 14 | 1/2" | 08085 |
| 7/8 x 14 | 1/2" | 08086 |
| 1" x 11 | 1/2" | 08087 |

Zapfenbrecher

Odlamovače



| No./č. | metrisch metrické | UNC / UNF BSW / BSF | Art.-No./Obj.č. |
|--------|----------------------|---------------------------|-----------------|
| 2 | M 2 x 0.4 | UNC No./č. 2 | 07002 |
| 3 | M 2.5 x 0.45 | | 07003 |
| 4 | M 3 x 0.5 | UNC/UNF No./č. 4 | 07004 |
| 5 | M 3.5 x 0.6 | UNC/UNF No./č. 6 | 07005 |
| 6 | M 4 x 0.7 | UNC No./č. 10 | |
| | | UNC/UNF No./č. 8 BSF 3/16 | 07006 |
| | | UNF No./č. 10 | |
| 8 | M 5 x 0.8 | UNC No./č. 12 BSF 3/16 | 07008 |
| 9 | M 6 x 1.0 | UNC/UNF 1/4 BSF/BSF 1/4 | 07009 |
| | M 7 x 1.0 | UNC/UNF 5/16 | |
| 11 | M 8 x 1.0 | BSF/BSF 5/16 | 07011 |
| 12 | M 9 x 1.0 | UNC 3/8 BSF/BSF 3/8 | 07012 |
| | M 10 x 1.5 | | |
| 13 | M 10 x 1.0 | UNF 3/8 | 07013 |
| 14 | M 11 x 1.5 | UNC/UNF 7/16 BSF/BSF 7/16 | 07014 |
| | M 12 x 1.75 | UNC/UNF 1/2 | |
| 15 | M 12 x 1.25 | BSF/BSF 1/2 | 07015 |

V-COIL rapid

| | | | |
|----|--------------|--------|-------|
| 3 | M 2,5 x 0.45 | 1/4" ⬡ | 07090 |
| 4 | M 3 x 0.5 | 1/4" ⬡ | 07091 |
| 6 | M 4 x 0.7 | 1/4" ⬡ | 07092 |
| 8 | M 5 x 0.8 | 1/4" ⬡ | 07093 |
| 9 | M 6 x 1.0 | 1/4" ⬡ | 07094 |
| 11 | M 8 x 1.25 | 1/4" ⬡ | 07095 |
| 13 | M 10 x 1.5 | 1/4" ⬡ | 07096 |

Ausdrehwerkzeuge

Vytahovač



| No./č | metrisch metrické | Zoll Palce | Art.-No./Obj.č. |
|-------|----------------------|---------------|-----------------|
| 2 | M 3 - M 10 | 3/16 - 3/8 | 07052 |
| 3 | M 11 - M 24 | 3/8 - 1" | 07053 |

STI-Gewindebohrer

STI-Závitníky

| | M MF | BSW BSF | UNC UNF | G BSP |
|-------------------------|---------|------------|------------|----------|
| Form D | 30 | 34 | 32 | 36 |
| Forma D | | | | |
| 2-tlg. | 31 | | 33 | 35 |
| 2-dílné | | | | |
| Form B | 38 | | | |
| Forma B | | | | |
| 35° Rechtsspirale | 39 | | | |
| 35° pravotočivá spirála | | | | |
| Kombi-Gewindebohrer | r37 | | | |
| Kombinované závitníky | | | | |
| Gewindeformer | 40 | | | |
| Tvářecí závitníky | | | | |
| STI-Spiralbohrer | 42 | | | |
| STI-vrtáky | | | | |

V-COIL rapid

| | | | | |
|-------------------|----|--|--|--|
| STI-Gewindebohrer | 41 | | | |
| STI-závitníky | | | | |
| STI-Spiralbohrer | 41 | | | |
| STI-vrtáky | | | | |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
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STI-Einschnittgewindebohrer
für Gewindeeinsätze nach ISO 2 (6H)

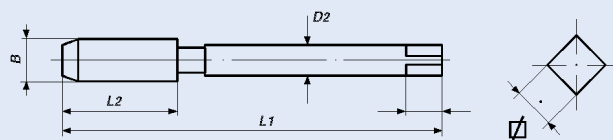
STI-Maticové závitníky
pro závitové vložky dle ISO 2 (6H)



M

Form/Forma D HSS-G Toleranz/Tolerance ISO1 (4H)

| Nennmaß Jm. rozměr D | P | B | L 1 | L 2 | D 2 | Ø | Art.-No./Obj.č. |
|-------------------------|--------|------|-------|------|------|-------|-----------------|
| M 2 | x 0.40 | 2.5 | 44.5 | 9.5 | 2.8 | 2.24 | 03001 |
| M 2.5 | x 0.45 | 3.1 | 48.0 | 11.0 | 3.15 | 2.50 | 03003 |
| M 3 | x 0.5 | 3.6 | 53.0 | 13.0 | 4.0 | 3.15 | 03005 |
| M 3.5 | x 0.6 | 4.3 | 53.0 | 13.0 | 4.5 | 3.55 | 03006 |
| M 4 | x 0.7 | 4.9 | 58.0 | 16.0 | 5.0 | 4.00 | 03007 |
| M 5 | x 0.8 | 6.0 | 66.0 | 19.0 | 6.3 | 5.00 | 03008 |
| M 6 | x 1.0 | 7.3 | 72.0 | 22.0 | 8.0 | 6.30 | 03009 |
| M 7 | x 1.0 | 8.3 | 72.0 | 22.0 | 9.0 | 7.10 | 03010 |
| M 8 | x 1.25 | 9.6 | 80.0 | 24.0 | 10.0 | 8.00 | 03011 |
| M 8 | x 1.0 | 9.3 | 80.0 | 24.0 | 10.0 | 8.00 | 03012 |
| M 9 | x 1.25 | 10.6 | 85.0 | 25.0 | 8.0 | 6.30 | 03013 |
| M 10 | x 1.5 | 11.9 | 89.0 | 29.0 | 9.0 | 7.10 | 03015 |
| M 10 | x 1.25 | 11.6 | 85.0 | 25.0 | 8.0 | 6.30 | 03016 |
| M 10 | x 1.0 | 11.3 | 85.0 | 25.0 | 8.0 | 6.30 | 03017 |
| M 11 | x 1.5 | 12.9 | 89.0 | 29.0 | 9.0 | 7.10 | 03018 |
| M 12 | x 1.75 | 14.3 | 95.0 | 30.0 | 11.2 | 9.00 | 03020 |
| M 12 | x 1.5 | 14.0 | 95.0 | 30.0 | 11.2 | 9.00 | 03021 |
| M 12 | x 1.25 | 13.6 | 95.0 | 30.0 | 11.2 | 9.00 | 03022 |
| M 12 | x 1.0 | 13.3 | 95.0 | 30.0 | 11.2 | 9.00 | 03023 |
| M 14 | x 2.0 | 16.6 | 102.0 | 32.0 | 12.5 | 10.00 | 03027 |
| M 14 | x 1.5 | 16.0 | 102.0 | 32.0 | 12.5 | 10.00 | 03028 |
| M 14 | x 1.25 | 15.6 | 102.0 | 32.0 | 12.5 | 10.00 | 03029 |
| M 14 | x 1.0 | 15.3 | 102.0 | 32.0 | 12.5 | 10.00 | 03030 |
| M 16 | x 2.0 | 18.6 | 112.0 | 37.0 | 14.0 | 11.20 | 03033 |
| M 16 | x 1.5 | 18.0 | 104.0 | 29.0 | 14.0 | 11.20 | 03034 |
| M 18 | x 2.5 | 21.3 | 118.0 | 38.0 | 16.0 | 12.50 | 03035 |
| M 18 | x 2.0 | 20.6 | 104.0 | 29.0 | 14.0 | 11.20 | 03036 |
| M 18 | x 1.5 | 20.0 | 104.0 | 29.0 | 14.0 | 11.20 | 03037 |
| M 20 | x 2.5 | 23.3 | 118.0 | 38.0 | 16.0 | 12.50 | 03038 |
| M 20 | x 2.0 | 22.6 | 113.0 | 33.0 | 16.0 | 12.50 | 03039 |
| M 20 | x 1.5 | 22.0 | 113.0 | 33.0 | 16.0 | 12.50 | 03040 |
| M 22 | x 2.5 | 25.3 | 130.0 | 45.0 | 18.0 | 14.00 | 03041 |
| M 22 | x 2.0 | 24.6 | 120.0 | 35.0 | 18.0 | 14.00 | 03042 |
| M 22 | x 1.5 | 24.0 | 120.0 | 35.0 | 18.0 | 14.00 | 03043 |
| M 24 | x 3.0 | 27.9 | 138.0 | 48.0 | 20.0 | 16.00 | 03044 |
| M 24 | x 2.0 | 26.6 | 127.0 | 37.0 | 20.0 | 16.00 | 03045 |
| M 24 | x 1.5 | 26.0 | 120.0 | 35.0 | 18.0 | 14.00 | 03046 |



STI-Gewindebohrersatz, 2-tlg.
für Gewindeeinsätze nach ISO 2 (6H)

STI-Sadové závitníky, 2-dílné
pro závitové vložky dle ISO 2 (6H)

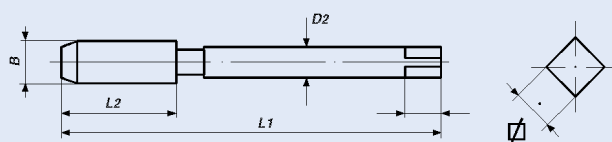


M

HSS-G

Toleranz/Tolerance ISO1 (4H)

| Nennmaß Jm. rozměr D | P | B | L 1 | L 2 | D 2 | ☒ | Art.-No./Obj.č. |
|-------------------------|-------|------|-----|-----|------|------|-----------------|
| M 26 | x 1.5 | 28.0 | 127 | 37 | 20.0 | 16.0 | 03049 |
| M 27 | x 3.0 | 30.9 | 151 | 51 | 22.4 | 18.0 | 03050 |
| M 27 | x 2.0 | 29.6 | 127 | 37 | 20.0 | 16.0 | 03051 |
| M 27 | x 1.5 | 29.0 | 127 | 37 | 20.0 | 16.0 | 03052 |
| M 28 | x 1.5 | 30.0 | 127 | 37 | 20.0 | 16.0 | 03053 |
| M 30 | x 3.5 | 34.6 | 162 | 57 | 25.0 | 20.0 | 03054 |
| M 30 | x 2.0 | 32.6 | 137 | 37 | 22.4 | 18.0 | 03055 |
| M 30 | x 1.5 | 32.0 | 137 | 37 | 22.4 | 18.0 | 03056 |
| M 33 | x 3.5 | 37.6 | 162 | 57 | 25.0 | 20.0 | 03057 |
| M 33 | x 2.0 | 35.6 | 144 | 37 | 25.0 | 20.0 | 03058 |
| M 36 | x 4.0 | 41.2 | 170 | 60 | 28.0 | 22.4 | 03060 |
| M 36 | x 3.0 | 39.9 | 170 | 60 | 28.0 | 22.4 | 03061 |
| M 36 | x 2.0 | 38.6 | 150 | 39 | 28.0 | 22.4 | 03062 |
| M 36 | x 1.5 | 38.0 | 150 | 39 | 28.0 | 22.4 | 03063 |



STI-Einschnittgewindebohrer
für Gewindeeinsätze nach Toleranz 2B

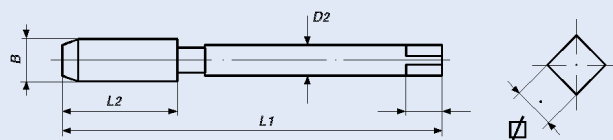
STI-Maticové závitníky
pro závitové vložky dle toletance 2B



UNC/UNF

Form/Forma D HSS-G Toleranz/Tolerance 3B

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



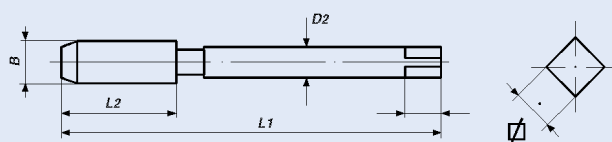
STI-Gewindebohrersatz, 2-tlg.
für Gewindeeinsätze nach Toleranz 2B

STI-Sadové závitníky, 2-dílné
pro závitové vložky dle tolerance 2B



UNC/UNF

| HSS-G | | Toleranz/Tolerance 3B | | | | UNC/UNI |
|-------------------------|------|-----------------------|-----|------|------|-----------------|
| Nennmaß Jm. rozměr D | B | L 1 | L 2 | D 2 | ☒ | Art.-No./Obj.č. |
| UNC/NC | | | | | | |
| 1.1/8 x 7 | 33.3 | 151 | 51 | 22.4 | 18.0 | 03117 |
| 1.1/4 x 7 | 36.5 | 162 | 57 | 25.0 | 20.0 | 03118 |
| 1.3/8 x 6 | 40.4 | 170 | 60 | 28.0 | 22.4 | 03119 |
| 1.1/2 x 6 | 43.6 | 187 | 67 | 31.5 | 25.0 | 03120 |
| UNF/NF | | | | | | |
| 1.1/8 x 12 | 31.3 | 137 | 37 | 22.4 | 18.0 | 03166 |
| 1.1/4 x 12 | 34.5 | 144 | 39 | 25.0 | 20.0 | 03167 |
| 1.3/8 x 12 | 37.7 | 150 | 39 | 28.0 | 22.4 | 03168 |
| 1.1/2 x 12 | 40.9 | 150 | 39 | 28.0 | 22.4 | 03169 |



STI-Einschnittgewindebohrer für Gewindeeinsätze

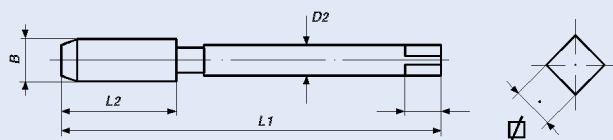
STI-Maticové závitníky pro závitové vložky



BSW/BSF

Form/Forma D HSS-G

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



STI-Gewindebohrersatz, 2-tlg.
für Gewindeeinsätze

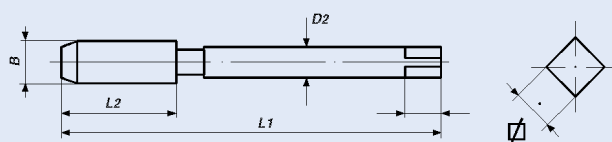
STI-Sadové závitníky, 2-dílné
pro závitové vložky



HSS-G

G (BSP)

| Nennmaß Jm. rozměr D | B | L 1 | L 2 | D 2 | Ø | Art.-No./Obj.č. |
|-------------------------|------|-----|-----|------|------|-----------------|
| G (BSP) | | | | | | |
| 1/8 x 28 | 10.8 | 59 | 15 | 8.0 | 6.3 | 03311 |
| 1/4 x 19 | 14.7 | 67 | 19 | 11.2 | 9.0 | 03312 |
| 3/8 x 19 | 18.3 | 75 | 21 | 14.0 | 11.2 | 03313 |
| 1/2 x 14 | 23.1 | 87 | 26 | 16.0 | 12.5 | 03314 |
| 5/8 x 14 | 25.1 | 91 | 26 | 18.0 | 14.0 | 03315 |
| 3/4 x 14 | 28.6 | 96 | 28 | 20.0 | 16.0 | 03316 |
| 7/8 x 14 | 32.4 | 102 | 29 | 22.4 | 18.0 | 03318 |
| 1" x 11 | 36.0 | 109 | 33 | 25.0 | 20.0 | 03317 |



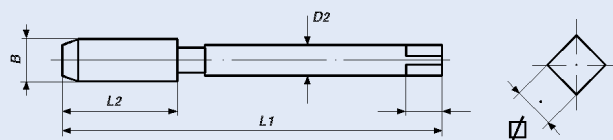
STI-Einschnittgewindebohrer für Gewindeeinsätze

STI- Maticové závitníky pro závitové vložky



Forma/Form D HSS-G

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



STI-Kombi-Gewindebohrer
für Gewindeeinsätze nach ISO 2 (6H)

STI-Kombinované závitníky
pro závitové vložky dle ISO 2 (6H)



M

HSS-G Toleranz/Tolerance ISO 1 (4H)

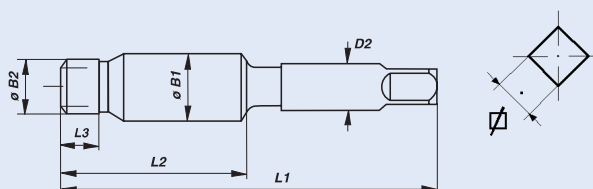
| Nennmaß Jm. rozměr D | P | B1 | B2 | L3 | L2 | L1 | D2 | ☒ | Art.-No./Obj.č. |
|-------------------------|--------|------|----|----|----|-----|----|------|-----------------|
| M 6 | x 1.0 | 7.3 | 6 | 7 | 28 | 70 | 8 | 6.3 | 03630 |
| M 8 | x 1.25 | 9.6 | 8 | 9 | 32 | 75 | 8 | 6.3 | 03631 |
| M 10 | x 1.5 | 11.9 | 10 | 9 | 37 | 80 | 9 | 7.1 | 03632 |
| M 10 | x 1.0 | 11.3 | 10 | 8 | 30 | 74 | 8 | 6.3 | 03633 |
| M 12 | x 1.25 | 13.6 | 12 | 9 | 32 | 75 | 9 | 7.1 | 03634 |
| M 14 | x 1.25 | 15.6 | 14 | 10 | 45 | 90 | 12 | 9.2 | 03635 |
| M 18 | x 1.5 | 20.0 | 18 | 10 | 47 | 116 | 16 | 12.5 | 03636 |

Gewinde-Reparatur-Satz
für Zündkerzengewinde

Sada na opravu závitů
pro závitový zapal. svíček



| | | | | | |
|------|--------|--------|---------|----------|-----------------|
| | | | | | Art.-No./Obj.č. |
| M 14 | x 1.25 | No. 17 | 5 | 5 | 04096 |
| | | | 8,40 mm | 12,40 mm | |
| | | | | 16,40 mm | |



STI-Maschinengewindebohrer für Gewindeeinsätze nach ISO 2 (6H)

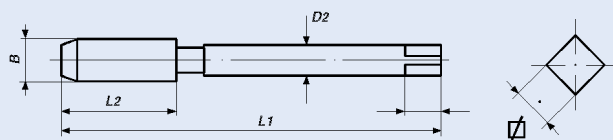
STI- strojní závitníky
pro závitové vložky dle ISO 2 (6H)



M

Form/Forma B HSS-E Toleranz/Tolerance ISO 1 (4H)

| Nennmaß Jm.rozměr D | P | B | L 1 | L 2 | D 2 | ☒ | Art.-No./Obj.č. |
|------------------------|--------|------|-------|------|------|-------|-----------------|
| M 3 | x 0.5 | 3.6 | 53.0 | 13.0 | 4.0 | 3.15 | 03505 |
| M 3.5 | x 0.6 | 4.3 | 53.0 | 13.0 | 4.5 | 3.55 | 03506 |
| M 4 | x 0.7 | 4.9 | 58.0 | 16.0 | 5.0 | 4.00 | 03507 |
| M 5 | x 0.8 | 6.0 | 66.0 | 19.0 | 6.3 | 5.00 | 03508 |
| M 6 | x 1.0 | 7.3 | 72.0 | 22.0 | 8.0 | 6.40 | 03509 |
| M 7 | x 1.0 | 8.3 | 72.0 | 22.0 | 9.0 | 7.10 | 03510 |
| M 8 | x 1.25 | 9.6 | 80.0 | 24.0 | 10.0 | 8.00 | 03511 |
| M 8 | x 1.0 | 9.3 | 80.0 | 24.0 | 10.0 | 8.00 | 03512 |
| M 10 | x 1.5 | 11.9 | 89.0 | 29.0 | 9.0 | 7.10 | 03515 |
| M 10 | x 1.0 | 11.3 | 85.0 | 25.0 | 8.0 | 6.30 | 03517 |
| M 12 | x 1.75 | 14.3 | 95.0 | 30.0 | 11.2 | 9.00 | 03520 |
| M 12 | x 1.5 | 14.0 | 95.0 | 30.0 | 11.2 | 9.00 | 03521 |
| M 12 | x 1.25 | 13.6 | 95.0 | 30.0 | 11.2 | 9.00 | 03522 |
| M 14 | x 2.0 | 16.6 | 102.0 | 32.0 | 12.5 | 10.00 | 03527 |
| M 14 | x 1.5 | 16.0 | 102.0 | 32.0 | 12.5 | 10.00 | 03528 |
| M 14 | x 1.25 | 15.6 | 102.0 | 32.0 | 12.5 | 10.00 | 03529 |
| M 16 | x 2.0 | 18.6 | 112.0 | 37.0 | 14.0 | 11.20 | 03533 |



STI-Maschinengewindebohrer für Gewindeeinsätze nach ISO 2 (6H)

STI - Strojní závitníky pro závitové vložky dle ISO 2 (6H)



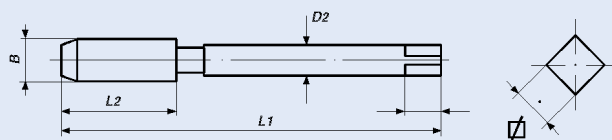
M

Form/Forma C/35°RSP

HSS-E

Toleranz/Tolerance ISO 1 (4H)

| Nennmaß Jm. rozměr D | P | B | L 1 | L 2 | D 2 | Ø | Art.-No./Obj.č. |
|-------------------------|--------|------|-------|------|------|-------|-----------------|
| M 3 | x 0.5 | 3.6 | 53.0 | 13.0 | 4.0 | 3.15 | 03705 |
| M 3.5 | x 0.6 | 4.3 | 53.0 | 13.0 | 4.5 | 3.55 | 03706 |
| M 4 | x 0.7 | 4.9 | 58.0 | 16.0 | 5.0 | 4.00 | 03707 |
| M 5 | x 0.8 | 6.0 | 66.0 | 19.0 | 6.3 | 5.00 | 03708 |
| M 6 | x 1.0 | 7.3 | 72.0 | 22.0 | 8.0 | 6.40 | 03709 |
| M 7 | x 1.0 | 8.3 | 72.0 | 22.0 | 9.0 | 7.10 | 03710 |
| M 8 | x 1.25 | 9.6 | 80.0 | 24.0 | 10.0 | 8.00 | 03711 |
| M 8 | x 1.0 | 9.3 | 80.0 | 24.0 | 10.0 | 8.00 | 03712 |
| M 10 | x 1.5 | 11.9 | 89.0 | 29.0 | 9.0 | 7.10 | 03715 |
| M 10 | x 1.0 | 11.3 | 85.0 | 25.0 | 8.0 | 6.30 | 03717 |
| M 12 | x 1.75 | 14.3 | 95.0 | 30.0 | 11.2 | 9.00 | 03720 |
| M 12 | x 1.5 | 14.0 | 95.0 | 30.0 | 11.2 | 9.00 | 03721 |
| M 12 | x 1.25 | 13.6 | 95.0 | 30.0 | 11.2 | 9.00 | 03722 |
| M 14 | x 2.0 | 16.6 | 102.0 | 32.0 | 12.5 | 10.00 | 03727 |
| M 14 | x 1.5 | 16.0 | 102.0 | 32.0 | 12.5 | 10.00 | 03728 |
| M 14 | x 1.25 | 15.6 | 102.0 | 32.0 | 12.5 | 10.00 | 03729 |
| M 16 | x 2.0 | 18.6 | 112.0 | 37.0 | 14.0 | 11.20 | 03733 |



STI-Gewindeformer
für Gewindeeinsätze nach ISO 2 (6H)

STI-tvářecí závitník
pro závitové vložky dle ISO 2 (6H)



M

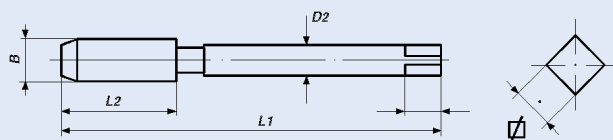
HSS-E Toleranz/Toletance ISO 1 (4H)

| Nennmaß Jm. rozměr D | P | B | L 1 | L 2 | D 2 | Ø | Art.-No./Obj.č. |
|-------------------------|--------|------|------|------|------|------|-----------------|
| M 3 | x 0.5 | 3.6 | 53.0 | 13.0 | 4.0 | 3.15 | 03605 |
| M 4 | x 0.7 | 4.9 | 58.0 | 16.0 | 5.0 | 4.00 | 03607 |
| M 5 | x 0.8 | 6.0 | 66.0 | 19.0 | 6.3 | 5.00 | 03608 |
| M 6 | x 1.0 | 7.3 | 72.0 | 22.0 | 8.0 | 6.40 | 03609 |
| M 8 | x 1.25 | 9.6 | 80.0 | 24.0 | 10.0 | 8.00 | 03611 |
| M 10 | x 1.5 | 11.9 | 89.0 | 29.0 | 9.0 | 7.10 | 03615 |
| M 12 | x 1.75 | 14.3 | 95.0 | 30.0 | 11.2 | 9.00 | 03620 |

Empfohlener
Kernlochdurchmesser

Doporučený průměr
děr

| D | M 3 | M 4 | M 5 | M 6 | M 8 | M 10 | M 12 |
|---|-----|-----|-----|-----|-----|------|------|
| Ø | 3,4 | 4,6 | 5,6 | 6,8 | 9,0 | 11,2 | 13,4 |



STI-Gewindebohrer V-COIL rapid
für Gewindeeinsätze nach ISO 2 (6H)

STI- závitníky V-COIL rapid
pro závitové vložky dle ISO 2 (6H)



M

Form/Forma D HSS-G Toleranz/Tolerance ISO 1 (4H)

| Nennmaß Jm. rozměr D | B | L 1 | L 2 | ⬡ | Art.-No./Obj.č. |
|-------------------------|------|------|------|------|-----------------|
| M 2.5 x 0.45 | 3.1 | 36.0 | 11.0 | 1/4" | 03090 |
| M 3 x 0.5 | 3.6 | 36.0 | 11.0 | 1/4" | 03091 |
| M 4 x 0.7 | 4.9 | 36.0 | 13.0 | 1/4" | 03092 |
| M 5 x 0.8 | 6.0 | 36.0 | 16.0 | 1/4" | 03093 |
| M 6 x 1.0 | 7.3 | 36.0 | 17.0 | 1/4" | 03094 |
| M 8 x 1.25 | 9.6 | 42.0 | 20.0 | 1/4" | 03095 |
| M 10 x 1.5 | 11.9 | 50.0 | 24.0 | 1/4" | 03096 |
| M 12 x 1.75 | 14.3 | 50.0 | 29.0 | 1/4" | 03097 |

STI-Spiralbohrer V-COIL rapid

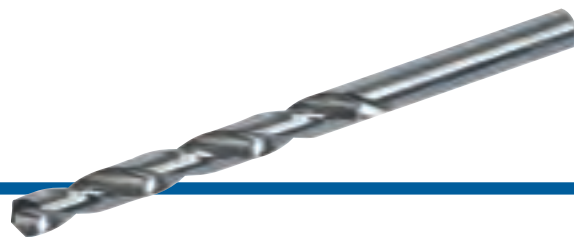
STI-spirálové vrtáky V-COIL rapid




| Nennmaß Jm. rozměr D | L 1 | S 2 | ⬡ | Art.-No./Obj.č. |
|-------------------------|------|------|------|-----------------|
| 2.6 mm | 36.0 | 16.0 | 1/4" | 03080 |
| 3.2 mm | 36.0 | 16.0 | 1/4" | 03081 |
| 4.2 mm | 36.0 | 16.0 | 1/4" | 03082 |
| 5.2 mm | 46.0 | 26.0 | 1/4" | 03083 |
| 6.3 mm | 46.0 | 26.0 | 1/4" | 03084 |
| 8.3 mm | 46.0 | 26.0 | 1/4" | 03085 |
| 10.4 mm | 50.0 | 33.5 | 1/4" | 03086 |
| 12.4 mm | 50.0 | 33.5 | 1/4" | 03087 |

STI-Spiralbohrer

STI-spirálové vrtáky



| Nennmaß Jm. rozměr D |  | Art.-No./Obj.č. |
|-------------------------|---|-----------------|
| 2.1 mm | 10 | VC 021 |
| 2.3 mm | 10 | VC 023 |
| 2.4 mm | 10 | VC 024 |
| 2.6 mm | 10 | VC 026 |
| 3.0 mm | 10 | VC 030 |
| 3.1 mm | 10 | VC 031 |
| 3.2 mm | 10 | VC 032 |
| 3.4 mm | 10 | VC 034 |
| 3.7 mm | 10 | VC 037 |
| 3.8 mm | 10 | VC 038 |
| 4.2 mm | 10 | VC 042 |
| 4.4 mm | 10 | VC 044 |
| 4.5 mm | 10 | VC 045 |
| 5.0 mm | 10 | VC 050 |
| 5.1 mm | 10 | VC 051 |
| 5.2 mm | 10 | VC 052 |
| 5.8 mm | 10 | VC 058 |
| 5.9 mm | 10 | VC 059 |
| 6.0 mm | 10 | VC 060 |
| 6.2 mm | 10 | VC 062 |
| 6.3 mm | 10 | VC 063 |
| 6.6 mm | 10 | VC 066 |
| 6.7 mm | 10 | VC 067 |
| 7.3 mm | 10 | VC 073 |
| 8.3 mm | 10 | VC 083 |
| 9.3 mm | 10 | VC 093 |
| 9.8 mm | 10 | VC 098 |
| 9.9 mm | 10 | VC 099 |
| 10.3 mm | 5 | VC 103 |
| 10.4 mm | 5 | VC 104 |
| 11.4 mm | 5 | VC 114 |
| 11.5 mm | 5 | VC 115 |
| 11.6 mm | 5 | VC 116 |
| 12.3 mm | 5 | VC 123 |
| 12.4 mm | 5 | VC 124 |
| 13.0 mm | 5 | VC 130 |

Empfohlene Kernlochmaße zum Gewindeschneiden V-COIL

Doporučené rozměry děr pro řezání závitů 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/č. 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/č. 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/č. 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/č. 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/č. 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/č. 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/č. 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 | UNF | | | 3/4 x 12 | | 19.5 | | | |
| M 16 x 2.0 | | 16.50 | No/č. 4 x 48 | | 3.0 | 7/8 x 11 | | 22.7 | | | |
| M 16 x 1.5 | | 16.40 | No/č. 6 x 40 | | 3.7 | 1" x 10 | | 26.5 | | | |
| M 18 x 2.5 | | 18.60 | No/č. 8 x 36 | | 4.4 | | | | | | |
| M 18 x 2.0 | | 18.50 | No/č. 10 x 32 | | 5.1 | | | | | | |
| M 18 x 1.5 | | 18.50 | 1/4 x 28 | | 6.6 | | | | | | |
| M 20 x 2.5 | | 20.60 | 5/16 x 24 | | 8.2 | | | | | | |
| M 20 x 2.0 | | 20.50 | 3/8 x 24 | | 9.8 | | | | | | |
| M 20 x 1.5 | | 20.50 | 7/16 x 20 | | 11.50 | | | | | | |
| M 22 x 2.5 | | 22.60 | 1/2 x 20 | | 13.00 | | | | | | |
| M 22 x 2.0 | | 22.50 | 9/16 x 18 | | 14.80 | | | | | | |
| M 22 x 1.5 | | 22.50 | 5/8 x 18 | | 16.25 | | | | | | |
| M 24 x 3.0 | | 24.75 | 3/4 x 16 | | 19.50 | | | | | | |
| M 24 x 2.0 | | 24.50 | 7/8 x 14 | | 22.75 | | | | | | |
| M 24 x 1.5 | | 24.50 | 1" x 12 | | 26.00 | | | | | | |
| M 26 x 1.5 | | 26.50 | 1.1/8 x 12 | | 29.00 | | | | | | |
| M 27 x 1.5 | | 27.50 | 1.1/4 x 12 | | 32.50 | | | | | | |
| M 27 x 2.0 | | 27.50 | 1.3/8 x 12 | | 35.50 | | | | | | |
| M 27 x 3.0 | | 27.75 | 1.1/2 x 12 | | 38.50 | | | | | | |
| 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 | | | | | | | | | |
| M 36 x 3.0 | | 37.00 | | | | | | | | | |
| M 36 x 4.0 | | 37.00 | | | | | | | | | |

Technische Daten für Gewindeeinsätze aus Draht nach DIN 8140

Technická data pro závitové vložky z oceli dle DIN 8140

| | S (mm) | | | | | T (mm) | | | | | R (mm) | | | | |
|--------------|--------|-------|--------|--------|--------|--------|-------|-------|--------|--------|--------|-------|-------|--------|--------|
| M | 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 Mindesttiefe des Kernloches
T Gewindetiefe mit Anschnitt
R Länge des Gewindeeinsatzes im eingebauten Zustand

S min. hloubka otvoru
T délka otvoru s náběhem
R délka závitové vložky v aplikovaném stavu

Technische Daten für Gewindeeinsätze aus Draht nach DIN 8140

Technická data pro závitové vložky z oceli dle DIN 8140

| | S (Zoll/coul) | | | | | T (Zoll/coul) | | | | | R (Zoll/coul) | | | | |
|------------|---------------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| UNF | 1D | 1.5D | 2D | 2.5D | 3D | 1D | 1.5D | 2D | 2.5D | 3D | 1D | 1.5D | 2D | 2.5D | 3D |
| 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 Mindesttiefe des Kernloches
T max. Gewindetiefe mit Anschnitt
R Länge des Gewindeeinsatzes im eingebauten Zustand

S min. hloubka otvoru
T max. délka otvoru s náběhem
R délka závitové vložky v aplikovaném stavu

Technische Daten für Gewindeeinsätze
aus Draht nach DIN 8140

Technická data pro závitové vložky
z oceli dle DIN 8140

| | S (Zoll/coul) | | | | | T (Zoll/coul) | | | | | R (Zoll/coul) | | | | |
|------------|---------------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|
| BSF | 1D | 1.5D | 2D | 2.5D | 3D | 1D | 1.5D | 2D | 2.5D | 3D | 1D | 1.5D | 2D | 2.5D | 3D |
| 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 |

