

Förord (S)

Den här katalogen är ett komplement till de reservdelskataloger ni redan har. Målsättningen är att ytterligare förbättra möjligheterna för våra importörer och återförsäljare att på ett lättare sätt kunna hitta och identifiera artiklar inom området fästelement.

Volvos konstruktions och utvecklingsavdelningar bedriver ett omfattande utvecklingsarbete för att ständigt förbättra och utveckla våra produkter.

Det innebär bland annat en kontinuerlig test och provningsverksamhet.

Målsättningen är att våra produkter skall motsvara de nuvarande och framtida marknadskrav och ge Volvo en marknadsledande ställning.

Vi på eftermarknaden är ett viktigt led för att denna målsättning skall kunna bli verklighet.

Vår påverkan vad gäller produktval mellan Volvo och konkurrenter är ett avgörande styrmedel för att Volvo skall kunna leva upp till sitt kvalitetsrykte.

[Alla artiklar som kompletterats i cd-versionen nr 195092 \(dat 10.2003\) är markerade med blått.](#)

Foreword (GB)

This catalogue is a supplement to the spare parts catalogue you already have. Its purpose is to make it much easier for our importers and dealers to find and identify fastener items. Comprehensive developments are being carried out by the Volvo design and development departments with a view to continuously improving and developing our products.

Among other things, this means subjecting products to continual tests and trials.

The aim is to turn out products that meet the present and future needs of the market and in so doing maintain prominence in that field.

We at Aftermarket have an important roll to play towards achieving this goal. Our influence with regard to Volvo's product selection vis-à-vis competitors is a decisive guiding element which enables Volvo to live up to its reputation for second-to-none quality.

[All components added in CD version no. 195092 \(date 10.2003\) are marked in blue.](#)

Vorwort (D)

Dieser Katalog ergänzt die Ersatzteilkataloge, die Sie bereits haben. Das Ziel ist, die Möglichkeiten für unsere Importeure und Händler so zu verbessern, dass sie leichter die Artikel im Bereich "Befestigungselemente" auffinden können. Die Konstruktions- und Entwicklungsabteilungen von Volvo leisten umfangreiche Entwicklungsarbeit, um unsere Produkte ständig zu verbessern und zu optimieren. Dies bedeutet unter anderem kontinuierliche Tests und Prüfungen.

Ziel ist, dass unsere Produkte den heutigen und zukünftigen Anforderungen des Marktes entsprechen und Volvo eine auf dem Markt führende Position sichern sollen.

Wir auf dem Aftermarket-Sektor sind ein wichtiges Glied, damit diese Zielsetzung in Erfüllung geht.

Unsere Einflussnahme bei der Produktentscheidung zwischen Volvo und seinen Mitbewerbern ist ein entscheidendes Steuerungsinstrument, damit Volvo seinem guten Ruf bezüglich unserer Qualität gerecht wird.

[Alle Artikel, die in der CD-Version ergänzt sind 195092 \(Dat.10.2003\) sind in blau gekennzeichnet.](#)

Préface (F)

Ce catalogue constitue un additif au catalogue Pièces déjà en votre possession. Il a pour objectif de faciliter les recherches des importateurs et des concessionnaires en matière d'identification des éléments de fixation.

Des travaux sont en permanence menés par les départements Design et Développement de Volvo dans la perspective de toujours améliorer les produits de la marque.

Ceci veut dire, entre autre, que nos produits sont continuellement testés afin de répondre aux exigences, présentes et futures, des marchés afin de maintenir la prépondérance de Volvo dans ce domaine.

Le rôle joué par les responsables du Service Après-Vente est essentiel pour atteindre cet objectif ; leur influence est également décisive en matière de choix des produits Volvo par rapport à la concurrence pour garantir la pérennité de la qualité Volvo.

[Toutes les pièces qui ont été ajoutées dans la version CD N° 195092 \(date 10.2003\) sont marquées en bleu.](#)

Prefazione (I)

Questo catalogo è un complemento ai cataloghi ricambi di cui siete già in possesso. Il suo scopo è di facilitare ulteriormente, per importatori e concessionari, la ricerca e l'individuazione degli articoli all'interno del gruppo di appartenenza.

I reparti di costruzione e di sviluppo della Volvo conducono un ampio lavoro di miglioramento e sviluppo dei nostri prodotti.

Per questo motivo vengono effettuati test e prove continui.

Tutto ciò affinché i nostri prodotti soddisfino le attuali e le future richieste del mercato, in modo da collocare Volvo in una posizione leader sul mercato.

Noi del dopovendite siamo un importante strumento per raggiungere questo obiettivo. Il nostro operato è importante e decisivo per la scelta tra la Volvo e le marche concorrenti e soprattutto per confermare la qualità elevata dei prodotti Volvo.

[Tutti gli articoli che vengono completati nella versione CD No. 195092 \(dat 10.2003\) sono contrassegnati in blu.](#)

Prefacio (E)

El presente catálogo constituye un complemento a los catálogos de repuestos que ustedes tienen ya en su poder. El propósito es facilitar más a nuestros importadores y concesionarios la localización e identificación de los artículos correspondientes a elementos de fijación. Los departamentos de diseño y desarrollo de Volvo trabajan continuamente para seguir mejorando nuestros productos.

Entre otras cosas significa esto una prueba continua de todos los elementos. El objetivo es que nuestros productos correspondan a las demandas actuales y futuras del mercado contribuyendo a que Volvo siga ocupando un puesto de líder.

Los que trabajamos en los departamentos de posventa somos un importante eslabón para que este objetivo llegue hacerse realidad.

[Todos los artículos con modificaciones en la versión CD-ROM nº 195092 \(dat 10.2003\) están marcados en azul.](#)

Voorwoord (NL)

Deze katalogus is een aanvulling op de reserveonderdelencatalogi die u reeds heeft. Het is de bedoeling om het onze importeurs en dealers nog makkelijker te maken om artikelen op het gebied van bevestigingselementen te vinden en te identificeren.

Volvo's constructie- en ontwikkelingsafdelingen streven er voortdurend naar onze producten te verbeteren en verder te ontwikkelen.

Dit houdt onder andere in dat we voortdurend testen en proeven uitvoeren.

Onze doelstelling is dat onze producten voldoen aan de huidige en toekomstige markteisen en dat Volvo een leidende marktpositie inneemt.

Wij die werkzaam zijn in de aftermarket, spelen een belangrijke rol in het verwerzenlijken van deze doelstelling. De invloed die we kunnen uitoefenen om de klant voor Volvo te doen kiezen, in plaats van voor de concurrenten, is van doorslaggevend belang voor Volvo om haar kwaliteitsreputatie waar te kunnen maken.

[Alle artikelen waaraan iets is toegevoegd in cd-versie nr. 195092 \(dat 10.2003\), staan in het blauw.](#)

Prefácio (P)

Este catálogo constitui um complemento dos catálogos que Vocês já possuem. O objectivo é facilitar mais aos nossos importadores e concessionários, a localização e a identificação dos artigos correspondentes aos elementos de fixação. Os departamentos de desenho e desenvolvimento da Volvo trabalham continuamente para melhorar e desenvolver os nossos produtos.

Isto significa entre outras coisas uma prova contínua de todos os elementos. O objectivo é os nossos produtos satisfazerem os actuais e futuros requisitos, o que contribui para que a Volvo mantenha uma posição de líder no mercado.

Nós que trabalhamos no Departamento das Pós-Vendas somos um elo importante para que a Volvo possa manter a sua fama de qualidade.

[Na versão em CD-ROM nº 195092 \(dat 10.2003\) todos os artigos completados estão marcados com cor azul.](#)

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Slangklamma
Hose clamps
Schlauchklemme
Collier de serrage, flexible

Konsol
Bracket
Konsole
Console

Buntband
Strip clamp
Bandklammer
Lien de serrage

Bandkabeltång
Ribbon cable plier
Flachkabelzange
Pince pour câble plat

Nummerregister
Number register
Nummernregister
Registre numérique

Fascetta flessibile
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M6S

8.8

M-thread

fzb

Ytbehandling
 Blankförzinkad
 Surface-treated
 Blank zinc-coated
 Oberflächenbehandlung
 Blank verzinkt
 Traitement de surface
 Galvanisation brillante

Typ av gänga
 Metrisk grovgänga
 Thread type
 Metric coarse screw thread
 Gewindetyp
 Metrisches Grobgewinde
 Type de filetage
 Filetage gros filet, métrique

Hållfasthetsklass 8.8
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Artikelidentifikation
 Sexkantskruv, Metrisk gänga
 Part's identification
 Hex screw, Metric thread
 Artikelidentifikation
 Sechskantschraube, metrisches Gewinde
 Identification de la pièce
 Vis à tête hexagonale, filetage métrique

Esempio di lettura (I)
Ejemplo de lectura (E)
Af leesvoorbeeld (NL)
Exemplo de leitura (P)

M6S

8.8

M-thread

fzb

Trattamento superficie
 Zincatura lucida
 Tratamiento superficial
 Zincado
 Oppervlaktebehandeling
 Blankverzinkt
 Tratamento da superfície
 Zincagem lisa

Tipo filettatura
 Filettatura metrica
 Tipo de rosca
 Rosca métrica gruesa
 Type schroefdraad
 Metrische grove schroefdraad
 Tipo de rosca
 Rosca métrica grossa

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 Vite esagonale, filettatura metrica
 Identificación de artículos
 Tornillos hexagonales, rosca métrica
 Artikelidentificatie
 Zeskantbout, Metrische schroefdraad
 Identificação do artigo
 Parafuso hexagonal, rosca métrica

Förkortningar (S)

Sexkantsskruv

M6S	Sexkantsskruv, metrisk gänga
U6S	Sexkantsskruv, unified gänga
HS	Sexkantsskruv, gängpressande
R-M6S	Sexkantsskruv, metrisk gänga, rostfri
SR-U6S	Sexkantsskruv, unified gänga, syrafast rostfri
M6SF	Sexkantsskruv med fläns, metrisk gänga
HB	Sexkantsskruv, borrande och gängpressande
M6SF-TT	Sexkantsskruv med fläns, gängpressande, Taptite, metrisk gänga
U6SF	Sexkantsskruv med fläns, unified gänga
U6SFT	Sexkantsskruv med fläns och Torxgrepp, unified gänga
R-M6SF	Sexkantsskruv med fläns, rostfri, metrisk gänga

Pinnskruv

PS	Pinnskruv
PS-TT	Pinnskruv gängpressande, Taptite

Stoppskruv

SSS	Stoppskruv med spår
SSSS	Stoppskruv med spår och spets
SSST	Stoppskruv med spår och tapp
MP6SS	Stoppskruv, plan ända, invändig sexkant, metrisk gänga
MSK6SS	Stoppskruv, skålad ända, invändig sexkant, metrisk gänga
MS6SS	Stoppskruv med spets och invändig sexkant, metrisk gänga
MT6SS	Stoppskruv med tapp och invändig sexkant, metrisk gänga

Fyrkantsstoppskruv

T4SS	Fyrkantsstoppskruv med tapp, metrisk gänga
UT4SS	Fyrkantsstoppskruv med tapp, unified gänga
US4SS	Fyrkantsstoppskruv med spets, unified gänga

Krysspårsskruv

MRX	Krysspårsskruv, cylindriskt huvud, metrisk gänga
UCX	Krysspårsskruv, cylindriskt huvud, unified gänga
RXS-ST	Krysspårsskruv, rundat huvud, gängpressande
SR-RXS	Krysspårsskruv, rundat huvud, syrafast rostfri
URX	Krysspårsskruv, rundat huvud, unified gänga
RXB	Krysspårsskruv, borrande och gängpressande, rundat huvud
LKXS	Krysspårsskruv, gängpressande lågt kullrigt huvud
MRXTT	Krysspårsskruv, gängpressande, Taptite, metrisk gänga
MFX	Krysspårsskruv, försänkt skalle, metrisk gänga
MKFX	Krysspårsskruv, kullrigt försänkt skalle, metrisk gänga
UFX	Krysspårsskruv, försänkt skalle, unified gänga
UKFX	Krysspårsskruv, kullrig försänkt skalle, unified gänga
KFXS	Krysspårsskruv, kullrig försänkt skalle, spetsig ända, gängpressande
MFX-TT	Krysspårsskruv, gängpressande, Taptite, försänkt skalle, metrisk gänga
SR-MFX	Krysspårsskruv, försänkt skalle, Metrisk gänga, syrafast rostfri
SR-KFXS	Krysspårsskruv, kullrig försänkt skalle, spetsig ända, gängpressande, syrafast rostfri



Insexskruv

MC6S	Insexskruv, metrisk gänga
MLC6S	Insexskruv, låg skalle, metrisk gänga
UC6S	Insexskruv, unified gänga
SR-UC6S	Insexskruv, unified gänga, syrafast rostfri

Sexkantsmutter

M6M	Sexkantsmutter, metrisk gänga
MH6M	Sexkantsmutter, hög, metrisk gänga
ML6M	Sexkantsmutter, låg, metrisk gänga
U6M	Sexkantsmutter, unified gänga
UH6M	Sexkantsmutter, hög, unified gänga
UL6M	Sexkantsmutter, låg, unified gänga
R-M6M	Sexkantsmutter, metrisk gänga, rostfri
R-U6M	Sexkantsmutter, unified gänga, rostfri
M6MF	Sexkantsmutter med fläns, metrisk gänga
U6MF	Sexkantsmutter med fläns, unified gänga

Kronmutter

MKM	Kronmutter, metrisk gänga
UKM	Kronmutter, unified gänga
MHKM	Kronmutter med hals, metrisk gänga

Fjädrande rörpinne

FRP	Fjädrande rörpinne
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Hålnit

PHN	Hålnit, plan skalle
KHN	Hålnit, kullrig skalle
FHN	Hålnit, försänkt skalle

Saxpinne

SP	Saxpinne
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Gänga D/	
Thread D	Dimension för gänga
s	Nyckelvidd
k	Skallens höjd
e	Skallens maxmått
L	Längd
H	Höjd
Stigning/	
Pitch	Avstånd mellan två på varann följande gängtappar

Abbreviations (GB)

Hexagon screws/bolts

M6S	Hexagon screw, Metric thread
U6S	Hexagon screw, Unified thread
HS	Hexagon screw, thread forming
R-M6S	Hexagon screw, Metric thread, stainless
SR-U6S	Hexagon screw, Unified thread, acidproof stainless
M6SF	Hexagon screw with flange, Metric thread
HB	Hexagon screw, drilling and thread forming
M6SF-TT	Hexagon screw with flange, thread forming, Taptite, Metric thread
U6SF	Hexagon screw with flange, Unified thread
U6SFT	Hexagon screw with flange and Torxgrip, Unified thread
R-M6SF	Hexagon screw with flange, stainless, Metric thread

Stud

PS	Stud
PS-TT	stud, self-tapping, Taptite

Slotted set screws

SSS	Slotted set screw
SSSS	Slotted set screw with cone point
SSST	Slotted set screw with full dog point
MP6SS	Slotted set screw, flat point, socket hex, Metric thread
MSK6SS	Slotted set screw, cup point, socket hex, Metric thread
MS6SS	Slotted set screw with cone point and socket hex, Metric thread
MT6SS	Slotted set screw with dog point and socket hex, Metric thread

Square head bolts

T4SS	Square head bolt with dog point, Metric thread
UT4SS	Square head bolt with dog point, Unified thread
US4SS	Square head bolt with cone point, Unified thread

Cross recessed screws

MRX	Cross recessed screw, cylindrical head, Metric thread
UCX	Cross recessed screw, cylindrical head, Unified thread
RXS-ST	Cross recessed screw, rounded head, self-tapping
SR-RXS	Cross recessed screw, rounded head, acidproof stainless
URX	Cross recessed screw, rounded head, Unified thread
RXB	Cross recessed screw, drilling and self-tapping, rounded head
LKXS	Cross recessed screw, self-tapping low oval head
MRXTT	Cross recessed screw, self-tapping, Taptite, Metric thread
MFx	Cross recessed screw, countersunk head, Metric thread
MKFX	Cross recessed screw, countersunk oval head, Metric thread
UFx	Cross recessed screw, countersunk head, Unified thread
UKFX	Cross recessed screw, countersunk head, Unified thread
KFXS	Cross recessed screw, countersunk oval head, pointed, self-tapping
MFx-TT	Cross recessed screw, self-tapping, Taptite, countersunk head, Metric thread
SR-MFX	Cross recessed screw, countersunk head, Metric thread, acidproof stainless
SR-KFXS	Cross recessed screw, countersunk oval head, pointed, self-tapping, acidproof stainless



Hexagon socket screws

MC6S	Hexagon socket screw, Metric thread
MLC6S	Hexagon socket screw, low head, Metric thread
UC6S	Hexagon socket screw, Unified thread
SR-UC6S	Hexagon socket screw, Unified thread, acidproof stainless

Hexagon nuts

M6M	Hexagon nut, Metric thread
MH6M	Hexagon nut, thick, Metric thread
ML6M	Hexagon nut, thin, Metric thread
U6M	Hexagon nut, Unified thread
UH6M	Hexagon nut, thick, Unified thread
UL6M	Hexagon nut, thin, Unified thread
R-M6M	Hexagon nut, Metric thread, stainless
R-U6M	Hexagon nut, Unified thread, stainless
M6MF	Hexagon nut with flange, Metric thread
U6MF	Hexagon nut with flange, Unified thread

Slotted castle nuts

MKM	Slotted castle nut, Metric thread
UKM	Slotted castle nut, Unified thread
MHKM	Hexagon castle nut, Metric thread

Spring tube pins

FRP	Spring tube pin
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Semi-tubular rivets

PHN	Semi-tubular rivet, flat head
KHN	Semi-tubular rivet, oval head
FHN	Semi-tubular rivet, countersunk head

Split pins

SP	Split pin
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Gänga D/	
Thread D	Thread dimensions
s	Widths across flats
k	Head height
e	Head max. measurement
L	Length
H	Height
Stigning/ Pitch	Distance between two in-line thread taps

Abkürzungen (D)

Sechskantschrauben

M6S	Sechskantschraube, metrisches Gewinde
U6S	Sechskantschraube, Unified Gewinde
HS	Sechskantschraube, gepresstes Gewinde
R-M6S	Sechskantschraube, metrisches Gewinde, rostfrei
SR-U6S	Sechskantschraube, Unified Gewinde, säurefest, rostfrei
M6SF	Sechskantschraube mit Flansch, metrisches Gewinde
HB	Sechskantschraube, gebohrt und mit gepresstem Gewinde
M6SF-TT	Sechskantschraube mit Flansch, gepresstes Gewinde, Taptite, metrisches Gewinde
U6SF	Sechskantschraube mit Flansch, Unified Gewinde
U6SFT	Sechskantschraube mit Flansch und Torx-Griff, Unified Gewinde
R-M6SF	Sechskantschraube mit Flansch, rostfrei, metrisches Gewinde

Stiftschrauben

PS	Stiftschraube
PS-TT	Stiftschraube, mit gepresstes Gewinde, Taptite

Stoppschrauben

SSS	Stoppschrauben mit Spur
SSSS	Stoppschrauben mit Spur und Spitze
SSST	Stoppschrauben mit Spur und Zapfen
MP6SS	Stoppschrauben, gerades Ende, Inbus-Sechskant, metrisches Gewinde
MSK6SS	Stoppschrauben, rundes Ende, Inbus-Sechskant, metrisches Gewinde
MS6SS	Stoppschrauben mit Spitze und Inbus-Sechskant, metrisches Gewinde
MT6SS	Stoppschrauben mit Zapfen und Inbus-Sechskant, metrisches Gewinde

Vierkantstoppschrauben

T4SS	Vierkantstoppschraube mit Zapfen, metrisches Gewinde
UT4SS	Vierkantstoppschraube mit Zapfen, Unified Gewinde
US4SS	Vierkantstoppschraube mit Spitze, Unified Gewinde

Kreuzspurschrauben

MRX	Kreuzspurschraube, zylindrischer Kopf, metrisches Gewinde
UCX	Kreuzspurschraube, zylindrischer Kopf, Gewinde Unified
RXS-ST	Kreuzspurschraube, runder Kopf, gepresstes Gewinde
SR-RXS	Kreuzspurschraube, runder Kopf, säurefest, rostfrei
URX	Kreuzspurschraube, runder Kopf, Gewinde Unified
RXB	Kreuzspurschraube, gebohrtes und gepresstes Gewinde, runder Kopf
LKXS	Kreuzspurschraube, gepresstes Gewinde mit kugelförmigem Kopf
MRXTT	Kreuzspurschraube, gepresstes Gewinde, Taptite, metrisches Gewinde
MFX	Kreuzspurschraube, versenkter Kopf, metrisches Gewinde
MKFX	Kreuzspurschraube, kugelförmiger, versenkter Kopf, metrisches Gewinde
UFX	Kreuzspurschraube, versenkter Kopf, Gewinde Unified
UKFX	Kreuzspurschraube, kugelförmiger, versenkter Kopf, Gewinde Unified
KFXS	Kreuzspurschraube, kugelförmige, versenkter Kopf, spitzes Ende, gepresstes Gewinde
MFX-TT	Kreuzspurschraube, gepresstes Gewinde, Taptite, versenkter Kopf, metrisches Gewinde
SR-MFX	Kreuzspurschraube, versenkter Kopf, metrisches Gewinde, säurefest, rostfrei
SR-KFXS	Kreuzspurschraube, kugelförmiger, versenkter Kopf, spitzes Ende, gepresstes Gewinde, säurefest, rostfrei



Sechskantlochschrauben

MC6S	Sechskantlochschraube, metrisches Gewinde
MLC6S	Sechskantlochschraube, niedriger Kopf, metrisches Gewinde
UC6S	Sechskantlochschraube, Gewinde Unified
SR-UC6S	Sechskantlochschraube, Gewinde Unified, säurefest, rostfrei

Sechskantmutter

M6M	Sechskantmutter, metrisches Gewinde
MH6M	Sechskantmutter, hoch, metrisches Gewinde
ML6M	Sechskantmutter, niedrig, metrisches Gewinde
U6M	Sechskantmutter, Gewinde Unified
UH6M	Sechskantmutter, hoch, Gewinde Unified
UL6M	Sechskantmutter, niedrig, Gewinde Unified
R-M6M	Sechskantmutter, metrisches Gewinde, rostfrei
R-U6M	Sechskantmutter, Gewinde Unified, rostfrei
M6MF	Sechskantmutter mit Flansch, metrisches Gewinde
U6MF	Sechskantmutter mit Flansch, Gewinde Unified

Kronmutter

MKM	Kronmutter, metrisches Gewinde
UKM	Kronmutter, Gewinde Unified
MHKM	Kronmutter mit Hals, metrisches Gewinde

Federnder Rohrstift

FRP	Federnder Rohrstift
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Lochniete

PHN	Lochniete, gerader Kopf
KHN	Lochniete, kugelförmiger Kopf
FHN	Lochniete, versenkter Kopf

Scherenstift

SP	Scherenstift
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Gänge D/ Thread D	Gewindegröße
s	Schlüsselweite
k	Höhe des Kopfes
e	Abmessungen des Kopfes
L	Länge
H	Höhe
Stigning/ Pitch	Abstand zwischen zwei aufeinander folgenden Gewindezapfen

Abréviations (F)

Vis à tête hexagonale

M6S	Vis à tête hexagonale, filetage métrique
U6S	Vis à tête hexagonale, filetage unifié
HS	Vis à tête hexagonale, autotaraudeuse
R-M6S	Vis à tête hexagonale, filetage métrique, inoxydable
SR-U6S	Vis à tête hexagonale, filetage unifié, inoxydable, résistant aux acides
M6SF	Vis à tête hexagonale à embase, filetage métrique
HB	Vis à tête hexagonale, autotaraudeuse
M6SF-TT	Vis à tête hexagonale à embase, autotaraudeuse, Taptite, filetage métrique
U6SF	Vis à tête hexagonale à embase, filetage unifié
U6SFT	Vis à tête hexagonale à embase avec "Torxgrip", filetage unifié
R-M6SF	Vis à tête hexagonale à embase, inoxydable, filetage métrique

Goujons

PS	Goujons
PS-TT	Goujons autotaraudeur, Taptite

Vis d'arrêt

SSS	Vis d'arrêt avec gorge
SSSS	Vis d'arrêt avec gorge et pointe
SSST	Vis d'arrêt avec gorge et téton
MP6SS	Vis d'arrêt, plate, six pans intérieurs, filetage métrique
MSK6SS	Vis d'arrêt, coupée, six pans intérieurs, filetage métrique
MS6SS	Vis d'arrêt, pointue, six pans intérieurs, filetage métrique
MT6SS	Vis d'arrêt à téton et six pans intérieurs, filetage métrique

Vis d'arrêt carrée

T4SS	Vis d'arrêt carrée, filetage métrique
UT4SS	Vis d'arrêt carrée, filetage unifié
US4SS	Vis d'arrêt carrée, pointue, filetage unifié

Vis à empreinte cruciforme

MRX	Vis à empreinte cruciforme, tête cylindrique, filetage métrique
UCX	Vis à empreinte cruciforme, tête cylindrique, filetage unifié
RXS-ST	Vis à empreinte cruciforme, tête ronde, autotaraudeuse
SR-RXS	Vis à empreinte cruciforme, tête ronde, inoxydable, résistant aux acides
URX	Vis à empreinte cruciforme, tête ronde, filetage unifié
RXB	Vis à empreinte cruciforme, forante et autotaraudeuse, tête ronde
LKXS	Vis à empreinte cruciforme, autotaraudeuse, tête convexe basse
MRXTT	Vis à empreinte cruciforme, autotaraudeuse, Taptite, filetage métrique
MFx	Vis à empreinte cruciforme, à tête encastrée, filetage métrique
MKFX	Vis à empreinte cruciforme, à tête convexe, filetage métrique
UFx	Vis à empreinte cruciforme, à tête encastrée, filetage unifié
UKFX	Vis à empreinte cruciforme, à tête convexe, filetage unifié
KFXS	Vis à empreinte cruciforme, à tête encastrée convexe, pointue, autotaraudeuse
MFx-TT	Vis à empreinte cruciforme, autotaraudeuse, Taptite, à tête encastrée, filetage métrique
SR-MFX	Vis à empreinte cruciforme, à tête encastrée, inoxydable résistant aux acides, filetage métrique
SR-KFXS	Vis à empreinte cruciforme, à tête encastrée convexe, pointue, autotaraudeuse, inoxydable résistant aux acides



Vis à six pans creux

MC6S	Vis à six pans creux, filetage métrique
MLC6S	Vis à six pans creux, tête basse, filetage métrique
UC6S	Vis à six pans creux, filetage unifié
SR-UC6S	Vis à six pans creux, filetage unifié, inoxydable résistant aux acides

Écrous hexagonaux

M6M	Écrou hexagonal, filetage métrique
MH6M	Écrou hexagonal, haut, filetage métrique
ML6M	Écrou hexagonal, bas, filetage métrique
U6M	Écrou hexagonal, bas, filetage unifié
UH6M	Écrou hexagonal, haut, filetage unifié
UL6M	Écrou hexagonal, bas, filetage unifié
R-M6M	Écrou hexagonal, filetage métrique, inoxydable
R-U6M	Écrou hexagonal, filetage unifié, inoxydable
M6MF	Écrou hexagonal à embase, filetage métrique
U6MF	Écrou hexagonal à embase, filetage unifié

Écrou crénelé

MKM	Écrou crénelé, filetage métrique
UKM	Écrou crénelé, filetage unifié
MHKM	Écrou à créneaux dégagés, filetage métrique

Goupille tubulaire élastique

FRP	Goupille tubulaire élastique
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Rivet semi-tubulaire

PHN	Rivet semi-tubulaire, tête plate
KHN	Rivet semi-tubulaire, tête arrondie
FHN	Rivet semi-tubulaire, tête fraisée

Goupille fendue

SP	Goupille fendue
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Gänga D/ Thread D	Dimension du filetage
s	Surplats (portée de la clé)
k	Hauteur maxi de la tête
e	Cote maxi de la tête
L	Longueur
H	Hauteur
Stigning/ Pitch	Pas : distance qui sépare deux filets consécutifs

Abbreviazioni (I)

Vite esagonale

M6S	Vite esagonale, filettatura metrica
U6S	Vite esagonale, filettatura unificata
HS	Vite esagonale, con filettatura spingente
R-M6S	Vite esagonale, filettatura metrica, inossidabile
SR-U6S	Vite esagonale, filettatura unificata, inossidabile
M6SF	Vite esagonale con flangia, filettatura metrica
HB	Vite esagonale, perforante e spingente
M6SF-TT	Vite esagonale con flangia, spingente, Taptite, filettatura metrica
U6SF	Vite esagonale con flangia, filettatura unificata
U6SFT	Vite esagonale con flangia e Torxgrip, filettatura unificata
R-M6SF	Vite esagonale con flangia, inossidabile, filettatura metrica

Vite perno

PS	Vite perno
PS-TT	Vite perno, spingente, Taptite

Vite di arresto

SSS	Vite di arresto con scanalatura
SSSS	Vite di arresto con scanalatura e punta
SSST	Vite di arresto con scanalatura e perno
MP6SS	Vite di arresto, estremità piana, esagonale verso l'interno, filettatura metrica
MSK6SS	Vite di arresto, estremità con testa, esagonale verso l'interno, filettatura metrica
MS6SS	Vite di arresto con punta, esagonale verso l'interno, filettatura metrica
MT6SS	Vite di arresto con perno, esagonale verso l'interno, filettatura metrica

Vite di arresto quadrangolare

T4SS	Vite di arresto quadrangolare con perno, filettatura metrica
UT4SS	Vite di arresto quadrangolare con perno, filettatura unificata
US4SS	Vite di arresto quadrangolare con punta, filettatura unificata

Vite con scanalatura a croce

MRX	Vite con scanalatura a croce, testa cilindrica, filettatura metrica
UCX	Vite con scanalatura a croce, testa cilindrica, filettatura unificata
RXS-ST	Vite con scanalatura a croce, testa arrotondata, spingente
SR-RXS	Vite con scanalatura a croce, testa arrotondata, inossidabile
URX	Vite con scanalatura a croce, testa arrotondata, filettatura unificata
RXB	Vite con scanalatura a croce, spingente e perforante, testa arrotondata
LKXS	Vite con scanalatura a croce, spingente con testa bassa e incurvata
MRXTT	Vite con scanalatura a croce, spingente, Taptite, filettatura metrica
MFx	Vite con scanalatura a croce, testa abbassata, filettatura metrica
MKFX	Vite con scanalatura a croce, testa abbassata e incurvata, filettatura metrica
UFx	Vite con scanalatura a croce, testa abbassata, filettatura unificata
UKFX	Vite con scanalatura a croce, testa abbassata e incurvata, filettatura unificata
KFXS	Vite con scanalatura a croce, testa abbassata e incurvata, estremità a punta, spingente
MFx-TT	Vite con scanalatura a croce, spingente, Taptite, testa abbassata, filettatura metrica
SR-MFx	Vite con scanalatura a croce, testa abbassata, inossidabile, filettatura metrica
SR-KFXS	Vite con scanalatura a croce, testa abbassata e incurvata, estremità a punta, spingente, inossidabile



Vite a brugola

MC6S	Vite a brugola, filettatura metrica
MLC6S	Vite a brugola, testa basso, filettatura metrica
UC6S	Vite a brugola, filettatura unificata
SR-UC6S	Vite a brugola, filettatura unificata, spingente, inossidabile

Dado esagonale

M6M	Dado esagonale, filettatura metrica
MH6M	Dado esagonale, alto, filettatura metrica
ML6M	Dado esagonale, basso, filettatura metrica
U6M	Dado esagonale, filettatura unificata
UH6M	Dado esagonale, alto, filettatura unificata
UL6M	Dado esagonale, basso, filettatura unificata
R-M6M	Dado esagonale, filettatura metrica, inossidabile
R-U6M	Dado esagonale, filettatura unificata, inossidabile
M6MF	Dado esagonale con flangia, filettatura metrica
U6MF	Dado esagonale con flangia, filettatura unificata

Dado a corona

MKM	Dado a corona, filettatura metrica
UKM	Dado a corona, filettatura unificata
MHKM	Dado a corona con collare, filettatura metrica

Perno tubolare a molla

FRP	Perno tubolare a molla
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Rivetto

PHN	Rivetto, testa piana
KHN	Rivetto, testa incurvata
FHN	Rivetto, testa abbassata

Coppiglia

SP	Coppiglia
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Gänga D/	
Thread D	Dimensione filettatura
s	Apertura chiave
k	Altezza testa
e	Misura massima testa
L	Lunghezza
H	Altezza
Stigning/	
Pitch	Passo della filettatura

Abreviaciones (E)

Tornillo hexagonal

M6S	Tornillo hexagonal, rosca métrica
U6S	Tornillo hexagonal, rosca unificada
HS	Tornillo hexagonal, rosca embutida
R-M6S	Tornillo hexagonal, rosca métrica, inoxidable
SR-U6S	Tornillo hexagonal, rosca unificada, inoxidable antiácido
M6SF	Tornillo hexagonal con brida, rosca métrica
HB	Tornillo hexagonal, taladrante y rosca embutida
M6SF-TT	Tornillo hexagonal con brida, rosca embutida, Taptite, rosca métrica
U6SF	Tornillo hexagonal con brida, rosca unificada
U6SFT	Tornillo hexagonal con brida y toma Torx, rosca unificada
R-M6SF	Tornillo hexagonal con brida, inoxidable, rosca métrica

Espárrago

PS	Espárrago
PS-TT	Espárrago, embutido, Taptite

Tornillo de tope

SSS	Tornillo de tope con ranura
SSSS	Tornillo de tope con ranura y punta
SSST	Tornillo de tope con ranura y muñón
MP6SS	Tornillo de tope, extremo plano, hexágono interior, rosca métrica
MSK6SS	Tornillo de tope, extremo avellanado, hexágono interior, rosca métrica
MS6SS	Tornillo de tope con punta, hexágono interior, rosca métrica
MT6SS	Tornillo de tope con muñón, hexágono interior, rosca métrica

Tornillo de tope cuadrangular

T4SS	Tornillo de tope cuadrangular con muñón, rosca métrica
UT4SS	Tornillo de tope cuadrangular con muñón, rosca unificada
US4SS	Tornillo de tope cuadrangular con punta, rosca unificada

Tornillo cabeza cruciforme

MRX	Tornillo cabeza cruciforme, cabeza cilíndrica, rosca métrica
UCX	Tornillo cabeza cruciforme, cabeza cilíndrica, rosca unificada
RXS-ST	Tornillo cabeza cruciforme, cabeza redondeada, rosca embutida
SR-RXS	Tornillo cabeza cruciforme, cabeza redondeada, inoxidable antiácido
URX	Tornillo cabeza cruciforme, cabeza redondeada, rosca unificada
RXB	Tornillo cabeza cruciforme, taladrante y embutido, cabeza redondeada
LKXS	Tornillo cabeza cruciforme, cabeza abovedada baja embutida
MRXTT	Tornillo cabeza cruciforme, embutido, Taptite, rosca métrica
MFX	Tornillo cabeza cruciforme, cabeza avellanada, rosca métrica
MKFX	Tornillo cabeza cruciforme, cabeza avellanada abovedada, rosca métrica
UFX	Tornillo cabeza cruciforme, cabeza avellanada, rosca unificada
UKFX	Tornillo cabeza cruciforme, cabeza avellanada abovedada, rosca unificada
KFXS	Tornillo cabeza cruciforme, cabeza avellanada abovedada, extremo puntiagudo, embutido
MFX-TT	Tornillo cabeza cruciforme, embutido, Taptite, cabeza avellanada, rosca métrica
SR-MFX	Tornillo cabeza cruciforme, cabeza avellanada, inoxidable antiácido, rosca métrica
SR-KFXS	Tornillo cabeza cruciforme, cabeza avellanada abovedada, extremo puntiagudo, embutido, inoxidable antiácido



Tornillo perforado hexagonal

MC6S	Tornillo perforado hexagonal, rosca métrica
MLC6S	Tornillo perforado hexagonal, cabeza baja, rosca métrica
UC6S	Tornillo perforado hexagonal, rosca unificada
SR-UC6S	Tornillo perforado hexagonal, rosca unificada, embutido, inoxidable antiácido

Tuercas hexagonales

M6M	Tuercas hexagonales, rosca métrica
MH6M	Tuercas hexagonales, rosca alta métrica
ML6M	Tuercas hexagonales, rosca baja métrica
U6M	Tuercas hexagonales, rosca unificada
UH6M	Tuercas hexagonales, rosca alta unificada
UL6M	Tuercas hexagonales, rosca baja unificada
R-M6M	Tuercas hexagonales, rosca métrica, inoxidable
R-U6M	Tuercas hexagonales, rosca unificada, inoxidable
M6MF	Tuercas hexagonales con brida, rosca métrica
U6MF	Tuercas hexagonales con brida, rosca unificada

Tuerca almenada

MKM	Tuerca almenada, rosca métrica
UKM	Tuerca almenada, rosca unificada
MHKM	Tuerca almenada con garganta, rosca métrica

Pasador elástico

FRP	Pasador elástico
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Remache perforado

PHN	Remache perforado, cabeza plana
KHN	Remache perforado, cabeza abovedada
FHN	Remache perforado, cabeza avellanada

Pasador hendido

SP	Pasador hendido
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Gänga D/ Thread D	Dimensión para rosca
s	Toma de llave
k	Altura de cabeza
e	Dim. máx. cabeza
L	Largo
H	Alto
Stigning/ Pitch	Distancia entre dos machos de roscar

Afkortingen (NL)

Zeskantbout

M6S	Zeskantbout, metrische schroefdraad
U6S	Zeskantbout, unieschroefdraad
HS	Zeskantbout, plaatbout
R-M6S	Zeskantbout, metrische schroefdraad, roestvast
SR-U6S	Zeskantbout, unieschroefdraad, zuur- en roestvast
M6SF	Zeskantbout met flens, metrische schroefdraad
HB	Zeskantbout, plaatbout met boorkop
M6SF-TT	Zeskantbout met flens, plaatbout, Taptite, metrische schroefdraad
U6SF	Zeskantbout met flens, unieschroefdraad
U6SFT	Zeskantbout met flens en Torxgreep, unieschroefdraad
R-M6SF	Zeskantbout met flens, roestvast, metrische schroefdraad

Tapeind

PS	Tapeind
PS-TT	Tapeind, plaatschroef, Taptite

Borgschroef

SSS	Borgschroef met spoor
SSSS	Borgschroef met spoor en punt
SSST	Borgschroef met spoor en pen
MP6SS	Borgschroef, vlak uiteinde, inwendig zeskant, metrische schroefdraad
MSK6SS	Borgschroef, hol uiteinde, inwendig zeskant, metrische schroefdraad
MS6SS	Borgschroef met punt en inwendig zeskant, metrische schroefdraad
MT6SS	Borgschroef met pen en inwendig zeskant, metrische schroefdraad

Vierkante borgschroef

T4SS	Vierkante borgschroef met pen, metrische schroefdraad
UT4SS	Vierkante borgschroef met pen, unieschroefdraad
US4SS	Vierkante borgschroef met punt, unieschroefdraad

Kruiskopschroeven

MRX	Kruiskopschroef, cilindervormige kop, metrische schroefdraad
UCX	Kruiskopschroef, cilindervormige kop, unieschroefdraad
RXS-ST	Kruiskopschroef, ronde kop, plaatschroef
SR-RXS	Kruiskopschroef, ronde kop, zuur- en roestvast
URX	Kruiskopschroef, ronde kop, unieschroefdraad
RXB	Kruiskopschroef, plaatschroef met boorkop, ronde kop
LKXS	Kruiskopschroef, plaatschroef met lage bolvormige kop
MRXTT	Kruiskopschroef, plaatschroef, Taptite, metrische schroefdraad
MFX	Kruiskopschroef, verzinkkop, metrische schroefdraad
MKFX	Kruiskopschroef, bolvormige verzinkkop, metrische schroefdraad
UFX	Kruiskopschroef, verzinkkop, unieschroefdraad
UKFX	Kruiskopschroef, bolvormige verzinkkop, unieschroefdraad
KFXS	Kruiskopschroef, plaatschroef, bolvormige verzinkkop, punt
MFX-TT	Kruiskopschroef, plaatschroef, Taptite, verzinkkop, metrische schroefdraad
SR-MFX	Kruiskopschroef, verzinkkop, metrische schroefdraad, zuur- en roestvast
SR-KFXS	Kruiskopschroef, plaatschroef, bolvormige verzinkkop, punt, zuur- en roestvast



Inbusbout

MC6S	Inbusbout, metrische schroefdraad
MLC6S	Inbusbout, lage kop, metrische schroefdraad
UC6S	Inbusbout, unieschroefdraad
SR-UC6S	Inbusbout, unieschroefdraad, zuur- en roestvast

Zeskantmoer

M6M	Zeskantmoer, metrische schroefdraad
MH6M	Zeskantmoer, hoog, metrische schroefdraad
ML6M	Zeskantmoer, laag, metrische schroefdraad
U6M	Zeskantmoer, unieschroefdraad
UH6M	Zeskantmoer, hoog, unieschroefdraad
UL6M	Zeskantmoer, laag, unieschroefdraad
R-M6M	Zeskantmoer, metrische schroefdraad, roestvast
R-U6M	Zeskantmoer, unieschroefdraad, roestvast
M6MF	Zeskantmoer met flens, metrische schroefdraad
U6MF	Zeskantmoer met flens, unieschroefdraad

Kroonmoer

MKM	Kroonmoer, metrische schroefdraad
UKM	Kroonmoer, unieschroefdraad
MHKM	Kroonmoer met hals, metrische schroefdraad

Verende holle pen

FRP	Verende holle pen
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Holle klinknagel

PHN	Holle klinknagel, platte kop
KHN	Holle klinknagel, bolvormige kop
FHN	Holle klinknagel, verzinkkop

Splitpen

SP	Splitpen
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Gänga D/	
Thread D	Dimensie voor schroefdraad
s	Sleutelbreedte
k	Hoogte van de kop
e	Maximum afmetingen van de kop
L	Lengte
H	Hoogte
Stigning/	
Pitch	Afstand tussen twee op elkaar volgende draadtappen

Abreviaturas (P)

Parafusos hexagonais

M6S	Parafusos hexagonais, rosca métrica
U6S	Parafusos hexagonais, rosca unificada
HS	Parafusos hexagonais, rosca embutidora
R-M6S	Parafusos hexagonais, rosca métrica, inoxidável
SR-U6S	Parafusos hexagonais, rosca unificada, inoxidável, à prova de ácido
M6SF	Parafusos hexagonais com colar, rosca métrica
HB	Parafusos hexagonais, perfurante e embutidor
M6SF-TT	Parafusos hexagonais com colar, embutidor, Taptite, rosca métrica
U6SF	Parafusos hexagonais com colar, rosca unificada
U6SFT	Parafusos hexagonais com colar e aperto Torx, rosca unificada
R-M6SF	Parafusos hexagonais com colar, inoxidável, rosca métrica

Parafusos-pion

PS	Parafusos-pino
PS-TT	Parafusos-pino, embutidor, Taptite

Parafusos batentes

SSS	Parafusos batentes com ranhura
SSSS	Parafusos batentes com ranhura e ponta
SSST	Parafusos batentes com ranhura e coto
MP6SS	Parafusos batentes, ponta chata, orifício hexagonal, rosca métrica
MSK6SS	Parafusos batentes, ponta abaulada, cavidade hexagonal, rosca métrica
MS6SS	Parafusos batentes com ponta e cavidade hexagonal, rosca métrica
MT6SS	Parafusos batentes com coto e cavidade hexagonal, rosca métrica

Parafusos batentes de cabeça quadrada

T4SS	Parafusos batentes de cabeça quadrada, com coto, rosca métrica
UT4SS	Parafusos batentes de cabeça quadrada, com coto, rosca unificada
US4SS	Parafusos batentes de cabeça quadrada, com ponta, rosca unificada

Parafusos de ranhura em cruz

MRX	Parafusos de ranhura em cruz, rosca métrica
UCX	Parafusos de ranhura em cruz, rosca unificada
RXS-ST	Parafusos de ranhura em cruz, embutidor
SR-RXS	Parafusos de ranhura em cruz, inoxidável, à prova de ácido
URX	Parafusos de ranhura em cruz, rosca unificada
RXB	Parafusos de ranhura em cruz, perfurante e embutidor
LKXS	Parafusos de ranhura em cruz, embutidor, com cabeça redonda e baixa
MRXTT	Parafusos de ranhura em cruz, embutidor, Taptite, rosca métrica
MFx	Parafusos de ranhura em cruz, cabeça frisada, rosca métrica
MKFX	Parafusos de ranhura em cruz, cabeça redonda e frisada, rosca métrica
UFx	Parafusos de ranhura em cruz, cabeça frisada, rosca unificada
UKFX	Parafusos de ranhura em cruz, cabeça redonda e frisada, rosca unificada
KFXS	Parafusos de ranhura em cruz, embutidor, cabeça redonda e frisada, ponta aguçada
MFx-TT	Parafusos de ranhura em cruz, embutidor, Taptite, cabeça frisada, rosca métrica
SR-MFX	Parafusos de ranhura em cruz, cabeça frisada, inoxidável, à prova de ácido, rosca métrica
SR-KFXS	Parafusos de ranhura em cruz, cabeça redonda e frisada, ponta aguçada, embutidor, inoxidável, à prova de ácido



Parafusos com cavidade hexagonal

MC6S	Parafusos com cavidade hexagonal, rosca métrica
MLC6S	Parafusos com cavidade hexagonal, cabeça baixa, rosca métrica
UC6S	Parafusos com cavidade hexagonal, rosca unificada
SR-UC6S	Parafusos com cavidade hexagonal, inoxidável, à prova de ácido, rosca unificada

Porcas hexagonais

M6M	Porcas hexagonais, rosca métrica
MH6M	Porcas hexagonais, alta, rosca métrica
ML6M	Porcas hexagonais, baixa, rosca métrica
U6M	Porcas hexagonais, rosca unificada
UH6M	Porcas hexagonais, alta, rosca unificada
UL6M	Porcas hexagonais, baixa, rosca unificada
R-M6M	Porcas hexagonais, inoxidável, rosca métrica
R-U6M	Porcas hexagonais, inoxidável, rosca unificada
M6MF	Porcas hexagonais com colar, rosca métrica
U6MF	Porcas hexagonais com colar, rosca unificada

Porcas com ameia

MKM	Porcas com ameia, rosca métrica
UKM	Porcas com ameia, rosca unificada
MHKM	Porcas com ameia e gargalo, rosca métrica

Pino de tubo elástico

FRP	Pino de tubo, elástico
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Rebites perfurados

PHN	Rebite perfurado, cabeça chata
KHN	Rebite perfurado, cabeça redonda
FHN	Rebite perfurado, cabeça frisada

Chaveta fendida

SP	Chaveta fendida
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Gänga D/	
Thread D	Dimensão para rosca
s	Largura da chave
k	Altura da cabeça
e	Medida máxima da cabeça
L	Comprimento
H	Altura
Stigning/	
Pitch	Distância entre dois machos seguidos da rosca

Hållfasthetsklass (S)

Hållfasthetsklasserna betecknas med två tal åtskilda av en punkt.

Det finns ett antal olika klasser 4.6, 4.8, 5.8, 8.8, 10.9, 12.9 när det gäller skruvar.

När det gäller muttrar är de angivna enbart med en siffra ex. 5 eftersom sträckgränsen ej är medtagen.

Exempel för hållfasthetsklass 8.8 för skruv

Nominell brottgräns = $8 \times 100 = 800 \text{ N/mm}^2$

Undre sträckgräns = $8 \times 8 \times 10 = 640 \text{ N/mm}^2$

Valet av hållfasthetsklass har gjorts av konstruerande enhet beroende på de krav som ställts på artikeln.

Rätt skruv till rätt applikation hittas i reservdelskatalogen.

Typ av gänga

På katalogsidorna anges gängen med olika beteckningar där man anger vilken typ av gänga det är.

M	= Metrisk grovgänga
MF	= Metrisk fingänga
UNC	= Unified grovgänga
UNF	= Unified fingänga
ST	= Gängpressande
TT	= Gängpressande Liktjockformat tvärsnitt



Ytbehandling

På katalogsidorna förekommer beteckningar som FZB, FOS vilket är förkortningar av olika ytbehandlingar. Nedan följer ett förtydligande av dessa begrepp.

FZB Blankförzinkad

Blankförzinkningen är i katalogen ett samlingsbegrepp för olika ytbehandlingsprocesser, som innebär att man belägger materialet med ett zinkskikt. Förzinkningen utförs för att föregripa att artikeln rostar, eftersom våra produkter förekommer i alla slags miljöer.

Zinkskiktets tjocklek är avgörande för hur lång tid det tar innan korrosion uppstår. För att ytterligare förbättra korrosionsskyddet kan en efterföljande kromatering genomföras. De nyförzinkade artiklarna doppas i en kromateringslösning där lösningens sammansättning är avgörande för vilken typ av kromatbeläggning som önskas.

Det förekommer 4 olika kromateringar:

- C1 = Blank kromatering
- C2 = Gul kromatering
- C3 = Grön kromatering
- C4 = Svart kromatering

Orsaken till användandet av olika kromateringar är att man fodrar ytterligare förbättrat korrosionsskydd där även vitrost uppstår på blankförzinkade efter en tid beroende på applicering och miljöpåverkande faktorer.

ZIB Zink-järn

Elförzinkad zink-järnbeläggning med kromatering.

En ytterligare utveckling av korrosionsskyddet som innebär att man belägger materialet med ett skikt av zink-järn. Genom kromatering ökar skyddet mot zinklegeringens korrosion (vitrost).

FZV Varmförzinkad

Fästelement som varmförzinkats sänks ner i smält zink som har en temperatur av 540°C.

Artikeln har dessförinnan genomgått en omfattande förbehandling.

Varmförzinkningsmetoden har valts beroende på att den skall klara olika krävande miljöer.

FOS Fosfatering

Fosfatering är en kemisk process där järnet i stålets yta reagerar med processkemikalier. Beroende på fosfateringsbadets sammansättning erhålls (järn) zinkfosfat eller (järn) manganfosfat.

Lackering

Är en vattendispersion som består av zinkflagor, kromater och organiska material.

Lackering tillämpas på artiklar av höghållfast stål, ex 10.9-skruv, som utsätts för svåra korrosionsförhållanden.

Property class (GB)

Property classes are designated by two digits separated by a dot.

Screws and bolts have a number of different classes: 4.6, 4.8, 5.8, 8.8, 10.9 and 12.9.

Nuts are designated by only one digit, e.g., 5, since the yield limit is not included.

Examples of property class 8.8 for screws and bolts

Nominal ultimate stress limit = 8×100 = 800 N/mm^2

Bellow yield point = $8 \times 8 \times 10$ = 640 N/mm^2

The engineering designer unit selected the property class according to the demands that would be made on the part.

Consult the spare part catalogue to find the right screw or bolt for the right application.

Types of threads

The catalogue lists the following lettered designations for the various types of threads:

M	=	Metric coarse thread
MF	=	Metric fine thread
UNC	=	Unified coarse thread
UNF	=	Unified fine thread
ST	=	Selftapping
TT	=	Thread forming
		Equally thick cross section



Surface treatment

The catalogue lists the designations FZB, FOS which are abbreviations for the different types of surface treatment. These are explained below.

FZB Bright galvanized

Bright-galvanized in the catalogue is a general concept for a surface treatment process involving coating materials with a layer of zinc. This is to protect the part from rust, since our products are used in all sorts of environments.

The thickness of the zinc coat determines the length of time before corrosion sets in. Adding chrome coating will prolong this further. The new galvanized parts are dipped in a chrome solution, the composition of which decides the type of chrome coating to be added.

There are 4 different types of chromating:

C1	= Bright
C2	= Yellow
C3	= Green
C4	= Black

Their use has arisen to provide additional protection against rust due to environmental factors that can cause, e.g., white rust to appear on bright galvanizing.

ZIB Zinc-iron

Electro-zincplated coating of zinc-iron with chromating.

A further development of the protection against corrosion involving coating materials with a layer of zinc-iron. Chromating improves the resistance of the zinc alloy to corrosion (white rust).

FZV Hot-dipped galvanized

The binder that is hot-dipped galvanized is lowered into melted zinc that has a temperature of 540°C. Prior to this the part is comprehensively surface-treated. The hot-dipped galvanizing method has been chosen because of its ability to cope with various demanding environments.

FOS Phosphating

Phosphating is a chemical process where the iron in the steel surface reacts with the process chemicals. The composition of the phosphatizing sheet determines whether the outcome is (iron) zinc-phosphate or (iron) manganese-phosphate.

Painting

Is a water dispersion consisting of zinc flakes, chromates and organic materials.

Painting shall be used on parts of high strength steel, e.g. 10.9 screw, exposed to severe corrosive conditions.

Haltbarkeitsklasse (D)

Die Haltbarkeitsklassen werden mit zwei durch einen Punkt voneinander getrennten Ziffern bezeichnet.

Es gibt eine Reihe unterschiedlicher Klassen, was Schrauben anbetrifft: 4.6, 4.8, 5.8, 8.8, 10.9, 12.9.

Was Muttern anbetrifft, werden sie nur mit einer Ziffer angegeben, z.B. einer 5. Die Strichgrenzen werden nicht mit angegeben.

Beispiel für die Haltbarkeitsklasse 8.8 für Schrauben

Nenn-Bruchgrenze = 8×100 = 800 N/mm^2

Untere Strichgrenze = $8 \times 8 \times 10$ = 640 N/mm^2

Die Wahl der Haltbarkeitsklasse erfolgte von der zuständigen Konstruktionsabteilung, je nach Anforderungen an den jeweiligen Artikel.

Die richtige Schraube für die richtige Anwendung finden Sie im Ersatzteilkatalog.

Gewindetyp

Auf den Katalogseiten werden die Gewinde mit verschiedenen Bezeichnungen angegeben. Auch der Gewindetyp ist hier verzeichnet.

M	=	Metrisches Grobgewinde
MF	=	Metrisches Feingewinde
UNC	=	Grobgewinde, Unified
UNF	=	Feingewinde, Unified
ST	=	Gepresstes Gewinde
TT	=	Gepresstes Gewinde, gleichmäßig dicker Querschnitt



Oberflächenbehandlung

Auf den Katalogseiten kommen die Bezeichnungen FZB und FOS vorbei, die sich auf verschiedene Formen der Oberflächenbehandlung beziehen. Nachstehend sind diese Begriffe erklärt.

FZB Blank verzinkt

Blankes Verzinken ist im Katalog ein Sammelbegriff für denjenigen Oberflächenbehandlungsprozeß, bei dem das Material mit einer Zinkschicht überzogen wird. Zink schützt den Artikel vor Rostbildung, da unsere Produkte in allen externen Umgebungen vorkommen.

Die Dicke der Zinkschicht ist entscheidend dafür, wie schnell Korrosion auftritt. Um den Rostschutz noch weiter zu verbessern, können die Teile nachträglich verchromt werden. Die neu verzinkten Artikel werden dabei in eine Chromatierungslösung getaucht, deren Zusammensetzung für den Typ der Chromatierungsbehandlung entscheidend ist.

Es kommen vier verschiedene Chromatierungen vor:

- C1 = Blankes Chromatieren
- C2 = Gelbes Chromatieren
- C3 = Grünes Chromatieren
- C4 = Schwarzes Chromatieren

Der Grund für die Anwendung verschiedener Chromatierungen liegt darin, daß man einen noch besseren Rostschutz dort fordert, wo je nach Auftragung und einwirkenden Faktoren auch noch Weißrost auf blank verzinkten Teilen auftreten kann.

ZIB Zink-Eisen

Elektroverzinkte Zink-Eisenbeschichtung mit Chromatierung.

Eine Weiterentwicklung des Korrosionsschutzes, bei der das Material mit einer Zink-Eisen-Schicht überzogen wird. Durch Chromatierung ist ein effektiverer Schutz vor Korrosion (Weißrost) der Zinklegierung gewährleistet.

FZV Warmverzinkt

Befestigungselemente, die warm verzinkt werden, taucht man in geschmolzenes Zink, das eine Temperatur von 540°C hat. Der Artikel wurde zuvor einer umfassenden Vorbehandlung unterzogen. Die Warmverzinkungsmethode wird gewählt, je nachdem, wie der Artikel in belastender Umgebung eingesetzt werden soll.

FOS Phosphatierung

Phosphatierung ist ein chemischer Prozeß, bei dem das Eisen in der Oberfläche des Stahls mit Prozeßchemikalien reagiert. Je nach Zusammensetzung des Phosphatierungsbades erhält man (Eisen) Zinkphosphat oder (Eisen) Manganphosphat.

Lackierung

Eine Wasserdispersion, die aus Zinkpigmenten, Chromaten und organischem Material besteht. Die Lackierung wird bei Teilen aus hochlegiertem Stahl eingesetzt, z.B. 10.9-Schrauben, die schweren Korrosionsbedingungen ausgesetzt sind.

Classe de résistance (F)

Les classes de résistance sont désignées par deux chiffres séparés par un point.
Il existe pour les vis et écrous diverses classes : 4.6, 4.8, 5.8, 8.8, 10.9, 12.9.

Les écrous sont désignés par un chiffre uniquement, par exemple 5, du fait que la limite d'élasticité n'est pas indiquée.

Exemples de classes de résistance pour les vis

Limite supérieure nominale de sollicitation	= 8x100	= 800 N/mm ²
Limite inférieure d'élasticité	= 8x8x10	= 640 N/mm ²

Le Bureau d'Etudes a sélectionné la classe de résistance en fonction des contraintes que va subir la pièce.

Consultez le catalogue Pièces pour trouver la vis correcte pour une application donnée.

Types de filetages

Dans le catalogue, les filetages sont indiqués avec différentes désignations qui correspondent au type de filet.

M	=	Filetage à gros filet, métrique
MF	=	Filetage à pas fin, métrique
UNC	=	Filetage à gros filet, unifié
UNF	=	Filetage à pas fin, unifié
ST	=	Autotaraudeur
TT	=	Autotaraudeur
		Coupe transversale d'égale épaisseur



Traitement des surfaces

On trouvera dans le catalogue les désignations FZB, FOS qui sont les abréviations des divers types de traitement de surface.

FZB Galvanisation brillante

Dans le catalogue les termes "Galvanisation brillante" désignent de manière générale le traitement de surface par application d'une couche de zinc. Ceci a pour objectif de protéger de la rouille nos produits utilisés dans des conditions difficiles.

L'épaisseur de la couche de zinc détermine la durée de résistance à la corrosion. Si l'on ajoute une couche de chrome, la résistance anticorrosion sera d'autant plus prolongée.

Les pièces galvanisées sont immergées dans une solution de chrome dont la composition détermine le type de protection chromique.

Il existe quatre types de chromage :

C1	= Brillant
C2	= Jaune
C3	= Vert
C4	= Noir

Leur utilisation est intervenue pour apporter une protection anticorrosion supplémentaire contre la rouille qui peut, par exemple, apparaître sous forme de rouille blanche sur une galvanisation brillante après un certain temps et suivant l'environnement.

ZIB Zinc-fer

Revêtement de galvanisation zinc-fer avec chromage.

Un perfectionnement supplémentaire de la protection anticorrosion qui signifie l'application d'une couche de zinc-fer sur le matériau. Le chromage permet d'augmenter la protection anticorrosion de l'alliage de zinc (rouille blanche).

FZV Galvanisation à chaud

L'élément de fixation qui a été galvanisé à chaud est trempé dans un bain de zinc à une température de 540°C. La pièce a préalablement subi un traitement de surface. La méthode de galvanisation à chaud a été choisie pour sa résistance notoire dans les conditions les plus difficiles.

FOS Phosphatation

La phosphatation est un processus chimique dans lequel le fer de la tôle réagit avec les éléments chimiques. En fonction de la composition du bain d'immersion le fer retient le zinc ou le manganèse.

Laquage

Une dispersion d'eau qui se compose d'écailles de zinc, de chromes et de matières organiques. Le laquage est appliqué sur les pièces en acier de grande résistance, par exemple les vis 10.9, soumises à des conditions difficiles au point de vue corrosion.

Classe di resistenza (I)

Le classi di resistenza sono designate da due cifre separate da un punto.

Le viti sono suddivise nelle classi di resistenza 4.6, 4.8, 5.8, 8.8, 10.9, 12.9.

Per quanto concerne i dadi sono indicati solo con una cifra, per esempio 5, in quanto il limite di snervamento non è indicato.

Esempio per classe di resistenza 8.8 per viti

Limite di rottura nominale	= 8x100	= 800 N/mm ²
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Limite minimo di snervamento	= 8x8x10	= 640 N/mm ²
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La scelta della classe di resistenza è stata effettuata dai progettisti in base ai requisiti tecnici dell'articolo.

Nel catalogo ricambi sono indicate le viti adeguate alle rispettive applicazioni.

Tipo di filettatura

Nelle pagine dei cataloghi sono fornite le filettature con le differenti designazioni indicanti il tipo di filettatura.

M	=	Filettatura metrica grossa
MF	=	Filettatura metrica fine
UNC	=	Filettatura unificata
UNF	=	Filettatura unificata fine
ST	=	Filettatura di spinta
TT	=	Filettatura di spinta formato trasversale



Trattamento della superficie

Nelle pagine del catalogo troviamo designazioni tipo FZB, FOS, che sono abbreviazioni relative ai diversi trattamenti delle superfici. In basso vi illustriamo alcune di queste abbreviazioni.

FZB Zincatura lucida

La zincatura lucida è un concetto generale, usato nel catalogo per indicare diversi tipi di trattamento superficiale, tramite i quali si riveste il materiale con uno strato di zinco. La zincatura serve a prevenire l'attacco della ruggine, cui i nostri prodotti sono esposti in quanto utilizzati in tutti i tipi di ambienti. Lo spessore della zincatura determina la durata di resistenza alla ruggine. Per migliorare ulteriormente la difesa contro la corrosione, è possibile cromare le superfici precedentemente zincate. In tal caso, gli articoli zincati vengono immersi in una soluzione di cromo, la cui composizione chimica determina il tipo di cromatura che si otterrà.

Ci sono 4 tipi di cromature:

- C1 = Cromatura lucida
- C2 = Cromatura gialla
- C3 = Cromatura verde
- C4 = Cromatura nera

Lo scopo dell'uso di differenti tipi di cromatura risiede nel fatto che si preferisce assicurare una migliore protezione anticorrosione in quanto la ruggine bianca appare anche sui prodotti con zincatura lucida, a seconda delle applicazioni e dell'ambiente.

ZIB Zinco-Ferro

Elettrozincatura con rivestimento zinco-ferroso e cromatura.

Lo strato di rivestimento zinco-ferroso costituisce un ulteriore miglioramento della protezione antiruggine. La cromatura sovrastante serve poi a proteggere dalla corrosione dello zinco (ruggine bianca).

FZV Zincatura calda

L'elemento sottoposto a zincatura a caldo viene immerso in zinco fuso con una temperatura di 540°C. L'articolo è stato precedentemente trattato. Il metodo di zincatura caldo si usa quando le superfici da proteggere sono a contatto con ambienti corrosivi.

FOS Fosfatazione

La fosfatazione è un processo chimico nel quale si fanno reagire le molecole di ferro, presenti sulla superficie della lamiera d'acciaio, con determinate sostanze chimiche. A seconda del bagno di fosfatazione si ottiene una fosfatazione allo zinco (ferro) oppure al manganese (ferro).

Verniciatura

Verniciatura a diffusione d'acqua che contiene particelle di zinco, cromo e materiale organico.

La verniciatura è adatta agli articoli di acciaio alto resistenziale, p.es. viti 10.9, soggette ad ambienti molto corrosivi.

Clases de resistencia (E)

Las clases de resistencia se caracterizan con dos cifras separadas por un punto.
Cuando se trata de tornillos, hay varias clases diferentes: 4.6, 4.8, 5.8, 8.8, 10.9, 12.9.

Cuando se trata de tuercas, se indica únicamente una cifra, p. ej. 5, puesto que no se incluye el límite de elongación.

Ejemplos de clase de resistencia 8.8 para tornillos

Límite de rotura nominal	= 8x100	= 800 N/mm ²
Límite inferior de elongación	= 8x8x10	= 640 N/mm ²

La unidad constructora ha determinado la clase de seguridad en función de las exigencias que ha de satisfacer la pieza.

El tornillo correcto para la aplicación correcta se hallará en el catálogo de repuestos.

Tipo de rosca

En las páginas del catálogo las diferentes roscas se indican con las abreviaciones siguientes.

M	= Rosca gruesa métrica
MF	= Rosca fina métrica
UNC	= Rosca gruesa unificada
UNF	= Rosca fina unificada
ST	= Rosca embutida
TT	= Rosca embutida, Sección uniforme



Tratamiento superficial

En las páginas del catálogo aparecen las abreviaciones FZB y FOS para indicar diferentes tratamientos superficiales. Sigue a continuación una aclaración a estos conceptos.

FZB Galvanizado brillante

En el catálogo se trata de un concepto amplio de un proceso de tratamiento superficial que consta en revestir el material con una capa de zinc. El zincado evita que se oxide la pieza, puesto que nuestros productos se usan en muchos ambientes diferentes.

El espesor de la capa de zinc es decisivo para la duración de la pieza antes de que aparezca la corrosión. Para mejorar aún más la protección contra la corrosión puede hacerse un cromado posterior. Los artículos recién zincados se sumergen en una solución de cromo cuya composición es determinante para el tipo de revestimiento de cromo deseado.

Existen 4 tipos de cromado diferentes:

- C1 = Cromado brillante
- C2 = Cromado amarillo
- C3 = Cromado verde
- C4 = Cromado negro

La razón de estos diversos tipos es la exigencia de mejorar la protección contra la corrosión en los lugares donde aparece óxido blanco en piezas zincadas después de algún tiempo, según la aplicación ya factores ambientales.

ZIB Hierro galvanizado

Hierro electrolgalvanizado y cromado.

Un perfeccionamiento de la protección anticorrosión consistente en revestir el material con una capa de hierro galvanizado. Con el cromado se intensifica la protección contra la corrosión de la aleación de zinc (oxidación blanca).

FZV Zincado en caliente

Los elementos de fijación que se zincan en caliente son sumergidos dentro de zinc fundido a una temperatura de 540°C. Previamente la pieza ha sido sometida a una minuciosa preparación. Este método de zincado en caliente ha sido elegido debido a que confiere a la pieza una gran resistencia en diferentes ambientes.

FOS Fosfatado

Es un proceso químico en el que el hierro superficial reacciona con los productos químicos del proceso. Según la composición del baño de fosfatado se obtiene fosfato de zinc o fosfato de mangano.

Lacado

Una dispersión de agua compuesta por escamas de zinc, cromados y materiales orgánicos. El lacado se aplica en artículos de acero de gran resistencia (como tornillos 10.9) que son expuestos a condiciones de corrosión duras.

Sterkteklasse (NL)

De sterkteklassen worden aangegeven door twee getallen die door een punt van elkaar gescheiden zijn.

Wat de schroeven betreft, zijn er een aantal verschillende klassen 4.6, 4.8, 5.8, 8.8, 10.9, 12.9.

Wat de moeren betreft, worden ze uitsluitend aangegeven met één cijfer, b.v. 5, omdat de strekgrens niet wordt aangegeven.

Voorbeelden van sterkteklasse 8.8. voor schroeven

Nominale breuksterkte = 8x100 = 800 N/mm²

Onder de strekgrens = 8x8x10 = 640 N/mm²

De sterkteklasse werd door de constructie-eenheid gekozen in functie van de eisen die aan het artikel worden gesteld.

In de reserveonderdelenkatalogus vindt u de juiste schroef voor de juiste toepassing.

Type schroefdraad

Op de katalogusbladzijden hebben de schroefdraden verschillende benamingen die aangeven om welk type schroefdraad het gaat.

M	=	metrische schroefdraad
MF	=	metrische fijne schroefdraad
UNC	=	unieschroefdraad
UNF	=	fijne unieschroefdraad
ST	=	schroefdraad voor plaatschroef
TT	=	schroefdraad voor plaatschroef, Gelijkverdikkingsformaat doorsnede



Oppervlaktebehandeling

Op de katalogusbladzijden staan aanduidingen zoals FZB, FOS die verkortingen zijn van verschillende oppervlaktebehandelingen. Hieronder worden deze begrippen verduidelijkt.

FZB Blankverzinkt

In de catalogus wordt blankverzinkt gebruikt als een collectief begrip voor een oppervlaktebehandelingsproces dat inhoudt dat men het materiaal bekleedt met een zinklaag. Het verzinken wordt uitgevoerd om te voorkomen dat het artikel roest, gezien het feit dat onze producten in alle soorten omgevingen worden gebruikt.

De dikte van de zinklaag is van doorslaggevend belang voor de roestvastheid van het artikel. Om de anticorrosiebescherming nog meer te verbeteren kan men het artikel na het verzinken behandelen met chromaat. De pas verzinkte artikelen worden in een chromaatoplossing gedompeld. De samenstelling van de oplossing bepaalt het soort chromaatlaag.

Er worden vier soorten chromaatbehandelingen gebruikt:

- C1 = blank chromaat
- C2 = geel chromaat
- C3 = groen chromaat
- C4 = zwart chromaat

De reden dat men verschillende chromaatbehandelingen gebruikt, is dat men een betere anti-corrosiebescherming nodig heeft, omdat er ook op blankverzinkte oppervlakken witte roest kan ontstaan, afhankelijk van het aanbrengen en andere factoren die de omgeving beïnvloeden.

ZIB Zink-ijzer

Electroverzinkte laag van zink-ijzer met chromaat.

Een verdere ontwikkeling van de anticorrosiebescherming waarbij de artikelen een zink-ijzer buitenlaag krijgen. Het chromaat verhoogt de corrosieweerstand van het zink-ijzer tegen witte roest.

FZV Warmverzinkt

Bevestigingselementen die warm worden verzinkt, worden ondergedompeld in gesmolten zink met een temperatuur van 540°C. Daarvoor heeft het artikel een uitgebreide voorbehandeling ondergaan. Deze warmverzinkingsmethode werd gekozen omdat ze bestand is tegen verschillende veeleisende omgevingen.

FOS Fosfateren

Fosfateren is een chemisch proces waarbij het ijzer in het oppervlak van het staal reageert met de proceschemicaliën. Afhankelijk van de samenstelling van het fosfaatbad ontstaat er (ijzer) zinkfosfaat of (ijzer) mangaanfosfaat.

Verven

Is een speciale wateremulsië bestaande uit zinkvlokken, chromaten en organische materialen. Vooral artikelen met een hoge sterkteklasse die blootgesteld zijn aan sterk corrosieve omstandigheden worden geleverd, bijvoorbeeld een 10.9 schroef.

Classes de resistência (P)

As classes de resistência dos materiais são designadas por dois algarismos com um ponto no meio.

Há 6 classes diferentes : 4.6, 4.8, 5.8, 8.8, 10.9, 12.9 para os parafusos.

Quando se trata de porcas indica-se só com um algarismo, por exemplo 5 dado que não se indica o limite de estiramento.

Exemplo da classe de resistência 8.8 para parafuso :

Limite nominal de rotura = 8×100 = 800 N/mm^2

Limite inferior de estriamento = $8 \times 8 \times 10$ = 640 N/mm^2

A selecção da classe de resistência foi feita pela unidade de construgão, dependente das normas que a peça tem que satisfazer.

O parafuso correcto para a finalidade correcta encontra-se no catálogo das peças sobresselentes.

Tipo de rosca

As abreviaturas das roscas das páginas do catálogo indicam quais são os tipos das roscas.

M	=	Rosca grossa métrica
MF	=	Rosca fina métrica
UNC	=	Rosca grossa unificada
UNF	=	Rosca fina unificada
ST	=	Rosca embutidora
TT	=	Rosca embutidora, parte uniforme



Tratamento da superfície

Há páginas do catálogo que têm as abreviaturas FZB, FOS que indicam diferentes tipos de tratamento da superfície. Esses termos são explicados aqui em baixo.

FZB Zincagem lisa

A zincagem lisa indicada no catálogo, é uma designação geral de um processo de tratamento de superfícies, que significa que o material é revestido com uma camada de zinco. A zincagem é feita para impedir o enferrujamento da peça, dado que os nossos produtos existem em todos os tipos de ambientes.

A espessura da camada de zinco é decisiva para a duração da resistência à corrosão. A protecção anti-corrosiva pode ser ainda mais aperfeiçoada se for cromada. As peças recém-zincadas são imersas numa solução de cromo, cuja composição é decisiva para o tipo de camada de cromo que se deseja.

Há quatro tipos diferentes de cromados :

- C1 = Cromado brilhante
- C2 = Cromado amarelo
- C3 = Cromado verde
- C4 = Cromado preto

A razão do uso de diferentes cromados é que é necessário uma protecção anti-corrosiva mais aperfeiçoada, que abrange também a oxidação branca, a qual surge passado um tempo nas superfícies com zincagem lisa, dependente da aplicação e dos factores do ambiente.

ZIB Zinco-ferro

Revestimento zincado de zinco-ferro com cromagem.

Um desenvolvimento da protecção anti-corrosiva que significa que o material é revestido com uma camada de zinco-ferro. Através da cromagem é aumentada a protecção contra a corrosão da liga de zinco (ferrugem branca).

FZV Zincagem quente

As peças de fixação que são zincadas quentes são imersas em zinco derretido que tem uma temperatura de 540°C. A peça passou antes por um vasto pré-tratamento. O método de zincagem quente é escolhido quando as peças têm que resistir a ambientes difíceis.

FOS Fosfatagem

A fosfatagem é um processo químico no qual o ferro da superfície do aço reage com substâncias num processo químico. A composição do banho de fosfatagem determina se obtém fosfato de zinco ou fosfato de manganésio.

Pintura final

É uma dispersão de água composta de flocos de zinco, cromatos e material orgânico.

Esta pintura é usada em artigos de aço de alta resistência, excl. parafusos 10.9, que estão expostos a condições de corrosão difíceis.

M6SF M-gänga, Små nyckelvidder
M6SF M-thread, Small widths across flats

Gänga D Thread D	M6	M7	M8	M10	M12	M14	M16
Stigning Pitch	1	1	1,25	1,5	1,75	2	2
s	8	10	10	13	15	18	21
k	6,8	7,6	8,5	9,7	11,5	12,9	15,1
Fläns Ø Flange Ø	13,2	15,1	17	20,8	24,7	30,5	32,8

M6SF M-gänga, Normala nyckelvidder
M6SF M-thread, Standard widths across flats

Gänga D Thread D	M5	M6	M7	M8	M10	M12	M14	M16
Stigning Pitch	0,8	1	1	1,25	1,5	1,75	2	2
s	8	10	10	12	14	17	18	21
k	5	6,5	7,6	8,2	10	11,5	15,1	16,9
Fläns Ø Flange Ø	11	13,8	15,1	17,7	21,6	26	28,6	32,8
Stor fläns Ø Large flange Ø		15,4		20,5			30,5	

M6S 8,8 M-gänga
M6S 8,8 M-thread

Gänga D Thread D	M4	M5	M6	M7	M8	M10	M12
Stigning Pitch	0,7	0,8	1	1	1,25	1,5	1,75
s	7	8	10	11	13	16 (17)	18 (19)
k	2,8	3,5	4	4,8	5,3	6,4	7,5
e	7,7	8,8	11,11	12,1	14,4	18,9	21,1
L ₁ -125mm	14	16	18	20	22	26	30
125-200		22	24	26	28	32	36
200-						45	49

Gänga D Thread D	M14	M16	M18	M20	M24
Stigning Pitch	2	2	2,5	2,5	3
s	21 (22)	24	27	30	36
k	8,8	10	11,5	12,5	15
e	24,5	26,8	30,1	33,5	40
L ₁ -125mm	34	38	42	46	54
125-200	40	44	48	52	6
200-	53	57	61	65	73

M6S 10,9 MF-gänga
M6S 10,9 MF-thread

Gänga D Thread D	M8	M10	M14	M16	M18
Stigning Pitch	1	1,25	1,5	1,5	1,5
s	13	17	21	24	27
k	5,3	6,4	8,8	10	12,2
e	14,4	18,9	24,5	27,7	30,1
L ₁ -125mm	22	26	34	38	42
125-200	28	32	40	44	48
200-		45	53	57	61

U6S 8,8 UNC-gänga
U6S 8,8 UNC-thread

Gänga D Thread D	1/4 UNF	5/16 UNF	3/8 UNF	7/16 UNF	1/2 UNF	9/16 UNF	5/8 UNF
Gängor/Tum Thread/Inch	20	18	16	14	13	12	11
s/Tum s/Inch	7/16	1/2	14,3	15,9	19	20,6	23,8
s/mm	11,1	12,7	16,5	18,3	22	23,8	27,5
k	4	5,2	6	7,1	7,9	9,1	9,9
e	12,8	14,7	16,5	18,3	22	23,8	27,5
Längd - 152 mm Length - 152mm	19	22	25	28	32	35	38

Gänga D Thread D	3/4 UNC	7/8 UNC	1 UNC
Gängor/Tum Thread/Inch	10	9	8
s/Tum s/Inch	28,6	33,3	38,1
s/mm	33	38,5	44
k	11,9	13,9	15,5
e	33	38,5	44
Längd - 152 mm Length - 152mm	44	51	57

U6S 8,8 UNF-gänga
U6S 8,8 UNF-thread

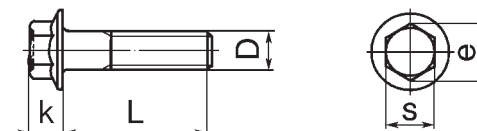
Gänga D Thread D	1/4 UNF	5/16 UNF	3/8 UNF	7/16 UNF	1/2 UNF	9/16 UNF	5/8 UNF	3/4 UNF	7/8 UNF
Gängor/Tum Thread/Inch	28	24	24	20	20	18	18	16	14
s/Tum s/Inch	7/16	1/2	9/16	5/8	3/4	13/16	15/16	1 1/8	15/16
s/mm	11,1	12,7	14,3	15,9	19	20,6	23,8	28,6	33,3
k	4	5,2	6	7,1	7,9	9,1	9,9	11,9	13,9
e	12,8	14,7	16,5	18,3	22	23,8	27,5	33	38,5
Längd - 152 mm Length - 152mm	19	22	25	28	32	35	38	44	51

M6SF 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

M6SF 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated



STD drawing 1052336, 1053374 ¹⁾, 1052258 ²⁾, 1052448 ³⁾

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M5x20	965201	M10x22	965219
M6x10	945358	M10x25	946329
M6x12	965175	M10x30	946472
M6x14	945414	M10x35	946752
M6x16	946544	M10x40	965185
M6x20	946934	M10x45	965220
M6x22	965211	M10x50	965186
M6x25	947542	M10x55	965221
M6x30	948356	M10x60	965187
M6x35	965212	M10x65	965222
M6x40	965176	M10x70	965188
M6x45	965213	M10x75	965223
M6x50	965177	M10x80	947790
M6x60	965178	M10x90	965189
M6x75	968877	M10x100	965190
M8x12	947107	M10x100	969499 ²⁾
M8x14	944926	M10x110	969313
M8x16	946440	M10x120	968237
M8x20	946173	M10x130	973096
M8x22	965215	M10x140	973097
M8x25	945444	M10x145	968682 ¹⁾
M8x30	946671	M10x150	973098
M8x35	946470	M12x20	946502
M8x40	947760	M12x25	946817
M8x45	948217	M12x30	965191
M8x50	973924 ²⁾	M12x35	965225
M8x55	965216	M12x40	965192
M8x60	965180	M12x45	965226
M8x65	965217	M12x50	965193
M8x70	965181	M12x55	965227
M8x75	965218	M12x60	965194
M8x80	965182	M12x65	948039
M8x85	969189	M12x70	965195
M8x90	965183	M12x80	965196
M8x100	965184	M12x85	967760
M8x105	981752 ³⁾	M12x90	946473
M8x110	968842	M12x100	965197
M8x115	968553	M12x110	965229
M8x120	969225	M12x120	946474
M8x130	968999	M12x130	979934
M8x140	968892	M12x140	973967
M8x150	968893	M12x150	978447
M8x170	968699 ³⁾	M12x160	979935
M8x210	976563 ³⁾	M12x170	982288
M10x14	946670	M12x190	981791
M10x16	946471	M12x200	982300
M10x20	946441	M14x30	966356

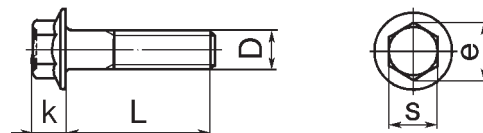


M6SF 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

M6SF 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated



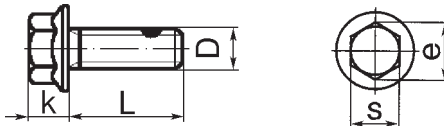
STD drawing 1052336, 1053374 ¹⁾, 1052258 ²⁾, 1052448 ³⁾

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M14x35	966357	M14x160	979659
M14x40	966358	M16x35	968589
M14x50	966360	M16x40	968435
M14x55	966361	M16x50	968436
M14x60	966362	M16x55	968235
M14x65	966363	M16x60	968297
M14x70	966364	M16x70	968302
M14x75	968753	M16x80	968437
M14x80	966365	M16x90	968298
M14x90	966366	M16x100	968591
M14x100	966367	M16x110	968592
M14x110	966368	M16x120	968593
M14x120	966369	M16x150	974573
M14x140	966371	M16x160	968299
M14x150	979936	M16x180	982375

M6SF 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

Med friktionsgivande element



M6SF 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

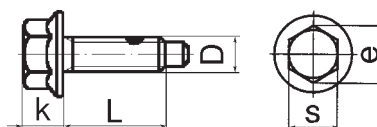
With prevailing torque feature

STD drawing 1052152

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M6x12	967949	M10x20	967731
M8x16	966378	M10x25	968233
M8x20	949853	M10x50	968234
M8x25	968232	M12x25	949708
M8x30	948336	M12x30	949199
M8x35	968288	M12x40	968958
M8x40	969986	M12x50	949793
M8x50	977275	M12x90	968031
M10x16	968621		

M6SF 8.8 M-gänga zib
Elförzinkade zink-järn, svartkromaterade

Med friktionsgivande element, Med tapp



M6SF 8.8 M-thread zib
Electro-zincplated zinc-iron, black chromated

With prevailing torque feature, With dog point

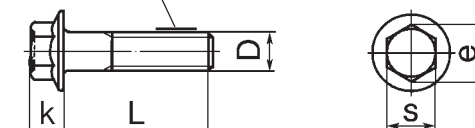
STD drawing 1052019

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M12x20	979924		

M6SF 8.8 M-gänga zib
Elförzinkad zink-järn, svartkromaterade

Med friktionsgivande element

Prevailing torque feature, location STD 7121,161
 Note! Coated all around ($\alpha \approx 360^\circ$)



M6SF 8.8 M-thread zib
Electro-zincplated zinc-iron, black chromated

With prevailing torque feature

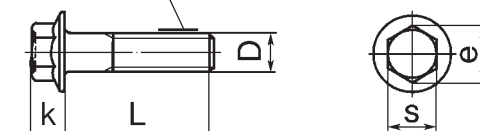
STD drawing 1058288

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M10x25	983828		

M6SF 8.8 M-gänga zib
Elförzinkad zink-järn, svartkromaterade

Med mikrokapslad låsvätska

Mikrokapslad låsvätska runt om/
 Micro-encapsulated locking fluid all around



M6SF 8.8 M-thread zib
Electro-zincplated zinc-iron, black chromated

With micro-encapsulated locking fluid

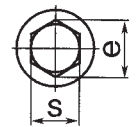
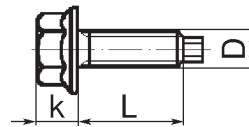
STD drawing 1053126

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x130	981369		
M12x35	973200		

M6SF 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

Med tapp och nyckeltag



M6SF 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

With dog point and wrench grip

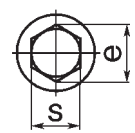
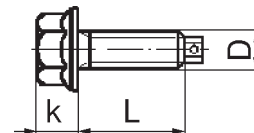
STD drawing 1052155

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M12x195	969222		

M6SF 8.8 M-gänga zib

Elförzinkad zink-järn, svartkromaterade

Med sexkantstapp och hål för låstråd i tappen



M6SF 8.8 M-thread zib

Electro-zinkplated zinc-iron, black chromated

With hexagon dog point and hole for locking wire in dog point

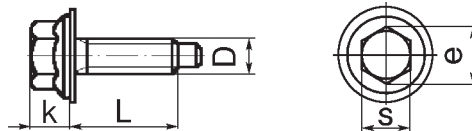
STD drawing 1053239

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x38	977107		

M6SF 8.8 M-gänga zib

Elförzinkad zink-järn, svartkromaterade

Med oförlorbara brickor och fasad lokaliseringstapp



M6SF 8.8 M-thread zib

Electro-zinkplated zinc-iron, black chromated

With captive washers and chamfered dog point

STD drawing 1052427

Dimension
D × L

Artikel nr.
Part No.

M12x135

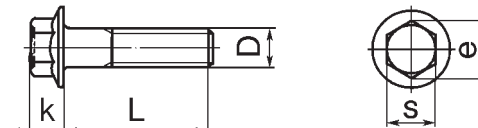
975567

Dimension

Artikel nr.
Part No.

M6SF 8.8 MF-gänga

Elförzinkad zink-järn, svartkromaterade



M6SF 8.8 MF-thread

Electro-zinkplated zinc-iron, black chromated

STD drawing 1052631

Dimension
D × L

Artikel nr.
Part No.

M10x30

980111

Dimension
D × L

Artikel nr.
Part No.

M6SF 10.9 M-gänga fos

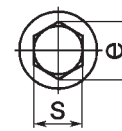
Fosfaterade

Små nyckelvidder

M6SF 10.9 M-thread fos

Phosphated

Small widths across flats



STD drawing 1052090 ¹⁾, 1052118 ²⁾

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M8x16	975196	M12x80	975114
M8x20	975197	M12x90	975115
M8x35	975199	M12x100	975116
M10x25	974324	M12x110	975117
M10x35	975204	M12x120	975118
M10x40	975101	M14x35	975208
M10x50	968163	M14x40	975120
M10x60	975102	M14x60	975122
M10x100	975105	M14x65	975211
M10x120	975107	M14x70	975123
M10x165	981377	M14x90	969448
M12x20	974613	M14x100	967786
M12x25	975109	M14x120	968902
M12x30	969447	M16x40	975125
M12x35	974614	M16x50	975126
M12x40	975110	M16x60	974007
M12x45	974615	M16x70	974008
M12x50	975111	M16x90	975127
M12x55	980273 ¹⁾	M16x100	975128
M12x60	975112	M16x140	973568
M12x70	966835 ²⁾	M16x160	968905
M12x75	975154	M16x200	3178341

M6SF 10.9 M-gänga

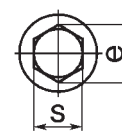
Lackerade, metallgrå

Små nyckelvidder

M6SF 10.9 M-thread

Painted, metallic grey

Small widths across flats



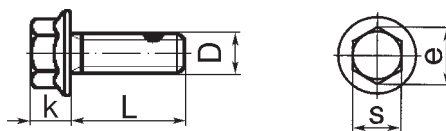
STD drawing 1052490, 1672273 ¹⁾, 1672273 ²⁾

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M10x25	981554	M14x120	980070
M12x45	983475 ²⁾	M14x140	980071
M14x40	980058	M16x100	980547
M14x47	1672273 ¹⁾	M16x110	980548
M14x50	980060	M16x120	980549
M14x60	980062	M16x160	980550
M14x70	980064	M16x180	980551
M14x80	980066		

M6SF 10.9 M-gänga fos

Fosfaterade

Med friktionsgivande element, små nyckelvidder



M6SF 10.9 M-thread fos

Phosphated

With prevailing torque feature, small widths across flats

STD drawing 1052642

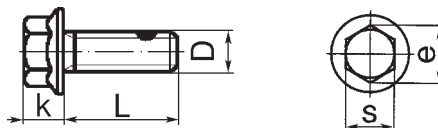
Dimension D x L	Artikel nr. Part No.
M8x35	978266
M8x50	978267

Dimension	Artikel nr. Part No.
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M6SF 10.9 M-gänga

Lackerade, svart

Med friktionsgivande element och stor flänsdiameter



M6SF 10.9 M-thread

Painted, black

With prevailing torque feature and large flange diameter

STD drawing 1058135

Dimension D x L	Artikel nr. Part No.
M12x60	982207

Dimension	Artikel nr. Part No.
-----------	-------------------------

M6SF 10.9 M-gänga

Lackerade, metallgrå

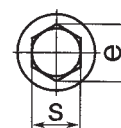
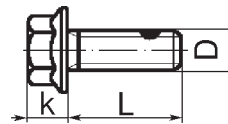
Med friktionsgivande element

M6SF 10.9 M-thread

Painted, metallic grey

With prevailing torque feature

STD drawing 1052171



Dimension
D x L

Artikel nr.
Part No.

M14x25

980351

M14x35

980352

Dimension

Artikel nr.
Part No.

M6SF 10.9 MF-gänga

Lackerade, metallgrå

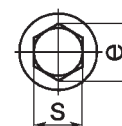
Små nyckelvidder

M6SF 10.9 MF-thread

Painted, metallic grey

Small widths across flats

STD drawing 1052544



Dimension
D x L

Artikel nr.
Part No.

M14x40

980563

M14x50

980799

Dimension

Artikel nr.
Part No.

M6SF 12.9 M-gänga

Fosfaterade

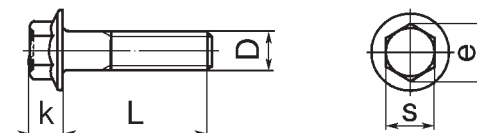
Små nyckelvidder

M6SF 12.9 M-thread

Phosphated

Small widths across flats

STD drawing 1053377



Dimension
D x L

Artikel nr.
Part No.

M16x150

974006

M16x160

969002

Dimension

Artikel nr.
Part No.

M6SF 12.9 M-gänga

Lackerade, metallgrå

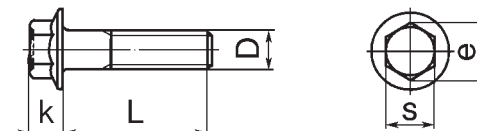
Små nyckelvidder

M6SF 12.9 M-thread

Painted, metallic grey

Small widths across flats

STD drawing 1053280



Dimension
D x L

Artikel nr.
Part No.

M16x150

981522

Dimension

Artikel nr.
Part No.

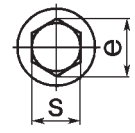
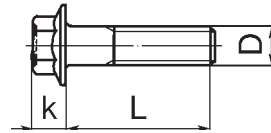
M6SF 8.8 UNC-gänga zib

Elförzinkad zink-järn, svartkromaterade

M6SF 8.8 UNC-thread zib

Electro-zinkplated zinc-iron, black chromated

STD drawing 1052071



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
1/4UNCx13	943629		
5/16UNCx16	942402		
3/8UNCx25	944429		

M6SFT 8.8 UNF-gänga zib

Elförzinkad zink-järn, svartkromaterad

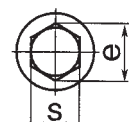
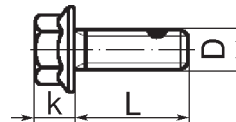
Med friktionsgivande element

M6SFT 8.8 UNF-thread zib

Electro-zinkplated zinc-iron, black chromated

With prevailing torque feature

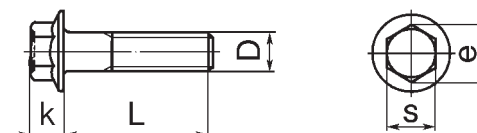
STD drawing 1052327



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
7/16UNFx31	975241		

U6SF 10.9 UNC-gänga zib
Mekanisk plattering

U6SF 10.9 UNC-thread zib
Mechanical plating



STD drawing 1690457

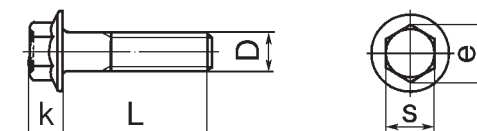
Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
9/16UNCx61	1082353		
9/16UNCx51	1609322		

R-M6SF M-gänga A4
Rostfri

Hållfasthetsklass A4-80

R-M6SF M-thread A4
Stainless

Property class A4-80



STD drawing 1053971, 1052250

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x55	980366 ¹⁾		
M8x60	977523 ¹⁾		
M10x45	982143 ²⁾		

1) Små nyckelvidder

2) Normala nyckelvidder

R-M6SF M-gänga

Rostfritt stål 2570

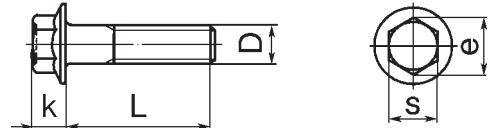
Varmhållfast austenitiskt stål

R-M6SF M-thread

Stainless steel 2570

Austenitic steel for use at elevated temperature

STD drawing 1052067



**Dimension
D x L**

**Artikel nr.
Part No.**

M8x35
M10x40

980999
981000

Dimension

**Artikel nr.
Part No.**

M6SF M-gänga zib

Elförzinkad zink-järn, svartkromaterade

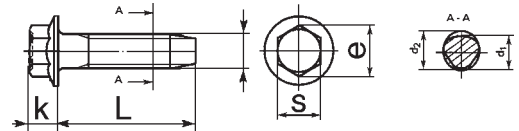
Sätthärdat stål

M6SF M-thread zib

Electro-zincplated zinc-iron, black chromated

Case hardened steel

STD drawing 1052342



**Dimension
D x L**

**Artikel nr.
Part No.**

M4x12
M5x25
M6x16
M6x25
M8x16
M8x20

967554
949652
948746
949556
966807
949846

**Dimension
D x L**

**Artikel nr.
Part No.**

M8x25
M8x30
M8x40
M10x20
M10x30

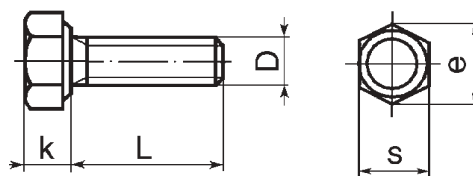
949578
949894
968534
949888
968032

M6S 8.8 M-gänga zib

Elförzinkade zink-järn, svart kromaterade

M6S 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated



STD drawing 1052946, 1052160 ¹⁾, 1053372 ²⁾, 1053438 ³⁾, 1053688 ⁴⁾

Dimension D × L	Artikel nr. Part No.	Dimension D × L	Artikel nr. Part No.
M5x14 H	955245	M10x180	973253 ²⁾
M5x22	955248 ²⁾	M12x22	955338 ³⁾
M5x55	955254	M12x30	970970
M5x90	955260	M12x35	970971
M6x12	955269	M12x40	970972
M6x16	955271	M12x45	970973
M6x20	955272	M12x50	970974
M6x22	955273 ²⁾	M12x55	970975
M6x25	955274	M12x60	970976
M6x30	955275	M12x70	970978
M6x40	940101	M12x75	955349 ³⁾
M6x65	955281	M12x80	970980
M6x70	955282	M12x90	970981
M6x80	955284	M12x100	975573 ¹⁾
M6x90	955285	M12x115	973114
M6x100	955286	M12x120	980340 ¹⁾
M6x120	955288	M12x180	970989
M6x130	955289	M14x20 H	970991
M8x20	955295	M14x25 H	970993
M8x25	955297	M14x40	970996
M8x30	940142	M14x45	970997
M8x35	947818	M14x50	970998
M8x40	948069 ¹⁾	M14x130	971010
M8x45	955299	M14x170	973275
M8x50	955300	M14x180	971014
M8x50	977736 ¹⁾	M14x260	982210 ³⁾
M8x60	955302	M16x20 H	944953
M8x70	955304	M16x25 H	955361
M8x75	948878 ²⁾	M16x30	955362
M8x90	946407 ²⁾	M16x35	955363
M8x165	967825 ²⁾	M16x40	955364
M8x190	968303 ²⁾	M16x45	955365
M8x200	968006 ²⁾	M16x50	955366
M8x220	980359	M16x55	955367
M10x20	970945	M16x60	955368
M10x25	970947	M16x65	955369
M10x30	970948	M16x70	955370
M10x40	970950	M16x80	955372
M10x40	949145 ⁴⁾	M16x80	949200 ¹⁾
M10x45	970951	M16x90	955373
M10x50	970952	M16x100	955374
M10x60	970954	M16x110	955375
M10x70	973246 ¹⁾	M16x120	955376
M10x85	973249	M16x130	955377
M10x100	973250 ¹⁾	M16x140	955378
M10x125	949768 ⁴⁾	M16x200	955382
M10x160	955336 ³⁾	M16x210	977740

För övriga dimensioner se flänsskruv s. 46

For other dimensions see flange screw p. 46

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M16x240	982051	M20x130	955397
M18x62 H	948088	M20x140	955398
M18x70	980253	M20x150	955399
M18x90	947358	M20x160	955400
M18x120	948436	M20x180	955401
M18x130	979930	M20x200	955402
M18x160	949231	M20x220	980047
M20x40	955384	M24x60	955405
M20x45	955385	M24x70	955407
M20x50	955386	M24x80	955409
M20x55	955387	M24x110	955412
M20x60	955388	M24x120	955413
M20x65	955389	M24x130	955414
M20x80	955392	M24x140	955415
M20x90	955393	M24x180	955418
M20x100	955394	M24x250	981433
M20x110	955395		
M20x120	955396		

M6S 8.8 M-gänga zib

Varmförzinkad

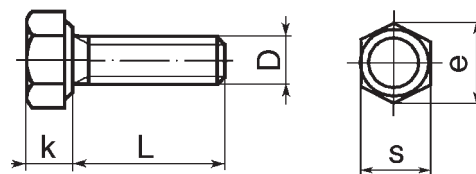
Smorda med TNT

M6S 8.8 M-thread zib

Hot-dipped galvanized

Lubed with TNT

STD drawing 1052413



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x25	967648		

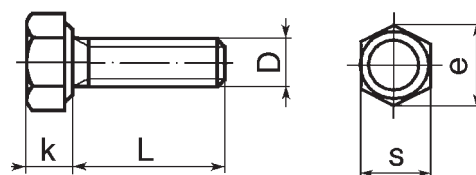
M6S 8.8 M-gänga

Obehandlade

M6S 8.8 M-thread

Untreated

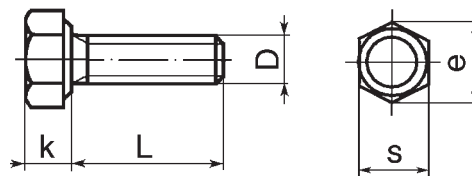
STD 17122,15,-153 ²⁾, 1053337 ¹⁾



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x85	100222		
M8x95	100223		
M10x95	100338 ¹⁾		
M16x170	100773 ²⁾		

M6S 8.8 MF-gänga zib
Elförzinkad, gulkromaterade

M6S 8.8 MF-thread zib
Electro zincplated, yellow chromated



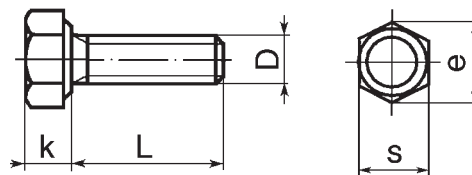
STD drawing 1054181

Dimension D x L	Artikel nr. Part No.
M10x1x20	959640
M10x1x35	941795
M10x1x50	959646
M12x1,5x22	959661
M12x1,5x55	959668
M18x1,5x30	959731
M18x1,5x60	959737
M18x1,5x65	959738
M18x1,5x200	959751

Dimension	Artikel nr. Part No.
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M6S 8.8 MF-gänga
Obehandlade

M6S 8.8 MF-thread
Untreated



STD drawing 1053719

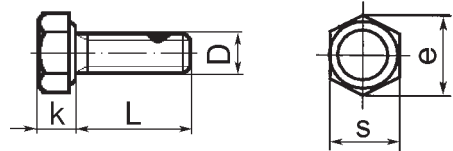
Dimension D x L	Artikel nr. Part No.
M8x1x20	962722
M8x1x50	962729
M14x1,5x30	962795
M14x1,5x45	962798

Dimension D x L	Artikel nr. Part No.
M16x1,5x40	962819
M16x1,5x70	962825
M16x1,5x80	962827

M6S 8.8 M-gänga zib

Elförzinkad zink-järn, svartkromaterade

Med friktionsgivande element



M6S 8.8 M-thread zib

Electro zincplated zinc-iron, black chromated

With prevailing torque feature

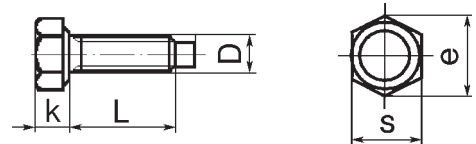
STD drawing 1052664

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x55	948081		
M14x35	973074		
M14x40	973075		
M14x200	980931		
M20x120	976963		

M6S 8.8 M-gänga zib

Elförzinkad zink-järn, svartkromaterade

Med fasad lokaliseringstapp



M6S 8.8 M-thread zib

Electro zincplated zinc-iron, black chromated

With chamfered dog point

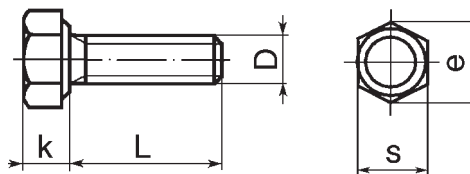
STD drawing 1053567

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x25,5	949335		

M6S 10.9 M-gänga fos
Fosfaterade

M6S 10.9 M-thread fos
Phosphated

STD drawing 1053371, 6781560 ¹⁾



Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M8x25	963219	M16x65	963316
M8x40	963222	M16x120	963323
M8x45	963223	M16x130	963324
M8x50	963224	M18x160	982047
M8x70	963228	M20x55	963335
M10x100	970888	M20x80	963340
M12x25	970897	M20x100	963342
M12x55	970903	M20x110	963343
M12x65	970905	M20x120	963344
M14x30	970922	M20x140	963346
M14x45	970925	M20x150	963347
M16x30	963309	M20x155	6781560 ¹⁾
M16x35	963310	M20x200	963350
M16x45	963312		

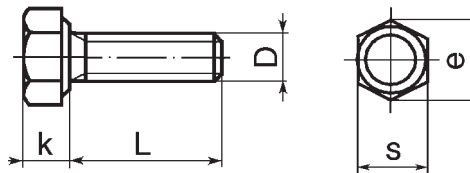
M6S 10.9 M-gänga fos
Fosfaterade

Speciella skruv- och gänglängder

M6S 10.9 M-thread fos
Phosphated

Special screw and thread lengths

STD drawing 1053712



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M18x2,5x185	979872		
M18x2,5x200	977292		

M6S 10.9 M-gänga fos

Fosfaterade

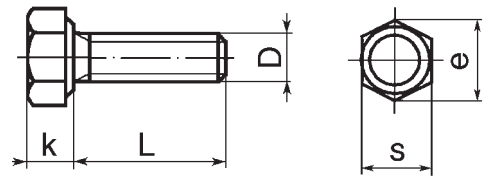
Speciella nyckelvidder

M6S 10.9 M-thread fos

Phosphated

Special widths across flats

STD drawing 1053689



Dimension D x L	Artikel nr. Part No.
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M10x30	963243
M10x45	963246
M10x80	963253
M14x130	963300

Dimension	Artikel nr. Part No.
-----------	-------------------------

M6S 10.9 M-gänga fos

Fosfaterade

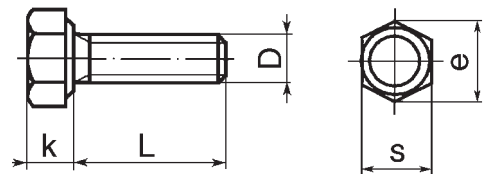
Speciella skruv- och gänglängder

M6S 10.9 M-thread fos

Phosphated

Special screw and thread lengths

STD drawing 1053317



Dimension D x L	Artikel nr. Part No.
--------------------	-------------------------

M8x22	963218
M8x35	963221
M8x75	963229
M8x90	963231
M8x110	970889
M10x130	970891
M10x140	970892
M14x160	970940
M14x180	970941
M16x60	963315

Dimension D x L	Artikel nr. Part No.
--------------------	-------------------------

M20x70	963338
M24x165	968851
M24x175	975543
M24x185	977718
M24x210	968321
M24x225	968852
M24x235	975544
M24x245	977719
M24x270	980100

M6S 10.9 M-gänga fos

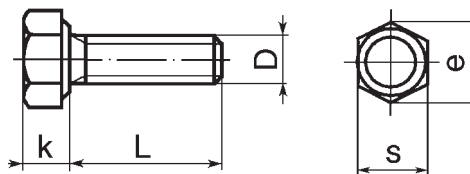
Fosfaterade

Speciella nyckelvidder och skruvlängder

M6S 10.9 M-thread fos

Phosphated

Special widths across flats and special screw lengths



STD drawing 1053693

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M14x25	963284		
M14x150	963302		

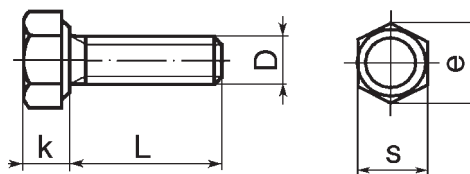
M6S 10.9 M-gänga

Lackerade, metallgrå

M6S 10.9 M-thread

Painted, metallic grey

STD drawing 1052365



Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M16x70	978939		
M16x80	978940		
M20x90	978951		
M20x130	978954		
M20x160	978956		
M20x180	980121		

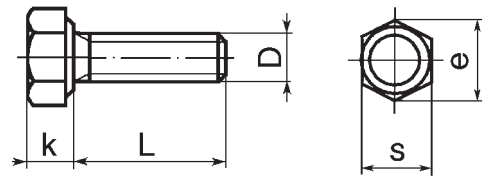
M6S 10.9 M-gänga**Lackerade, metallgrå**

Speciella skruv- och gänglängder

M6S 10.9 M-thread**Painted, metallic grey**

Special screw and thread lengths

STD drawing 1054062

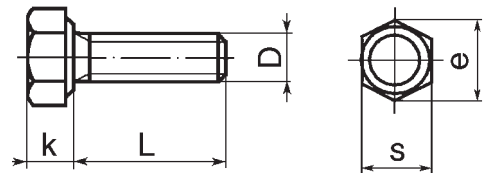
**Dimension
D x L****Artikel nr.
Part No.**

M18x210

982264

Dimension**Artikel nr.
Part No.****M6S 10.9 MF-gänga fos****Fosfaterade****M6S 10.9 MF-thread fos****Phosphated**

STD drawing 1053711

**Dimension
D x L****Artikel nr.
Part No.**

M18x1,5x35

944958

M18x1,5x40

945210

M20x1,5x60

977180

**Dimension
D x L****Artikel nr.
Part No.**

M20x1,5x120

977181

M20x1,5x130

977715

M6S 10.9 MF-gänga fos

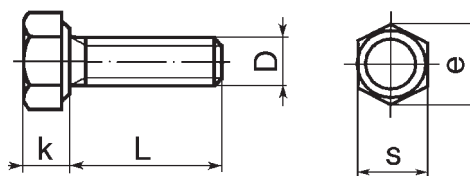
Fosfaterade

Speciella skruvlängder och nyckelvidder

M6S 10.9 MF-thread fos

Phosphated

Special screw lengths and widths across flats



STD drawing 1053710

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M14x95	968164		

M6S 10.9 MF-gänga fos

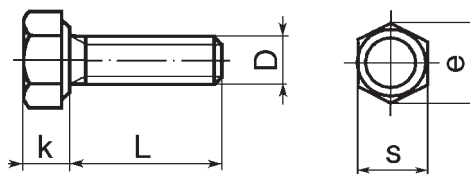
Fosfaterade

Speciella gänglängder

M6S 10.9 MF-thread fos

Phosphated

Special thread lengths



STD drawing 1053714

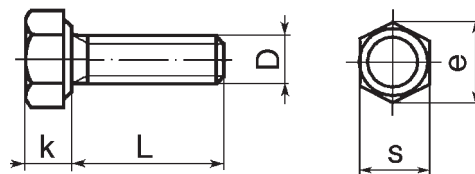
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M18x1,5x45	942878	M18x1,5x100	942181
M18x1,5x50	947492	M18x1,5x110	942182
M18x1,5x55	945211	M20x1,5x40	973994
M18x1,5x70	944658	M20x1,5x45	978195
M18x1,5x80	949948	M20x1,5x70	978196

M6S 10.9 MF-gänga fos**Fosfaterade**

Speciella gänglängder

M6S 10.9 MF-thread fos**Phosphated**

Special thread lengths

STD drawing 1053708

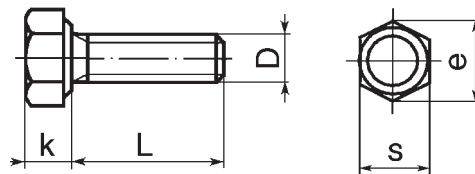
Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M14x1,5x50	973875		

M6S 10.9 MF-gänga fos**Fosfaterade**

Speciella skruv- och gänglängder

M6S 10.9 MF-thread fos**Phosphated**

Special screw and thread lengths

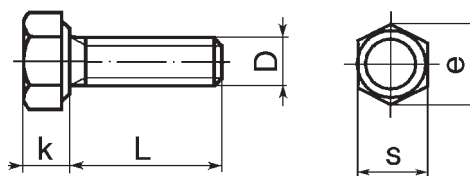
STD drawing 1053716

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M18x62	942879		
M18x85	945703		
M20x35	979140		

M6S 12.9 M-gänga fos
Fosfaterade

M6S 12.9 M-thread fos
Phosphated

STD drawing 1053691, 1053552 ¹⁾

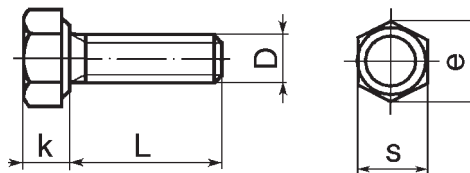


Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M10x22	966686 ¹⁾		
M10x25	946379 ¹⁾		
M14x70	973239		
M14x85	973240		
M14x100	973241		
M16x140	968662		
M16x170	968142		

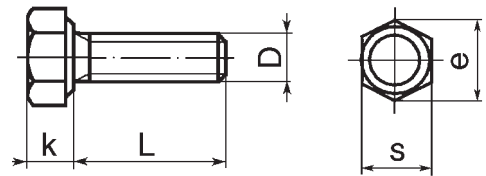
M6S 12.9 M-gänga
Lackerade, metallgrå

M6S 12.9 M-thread
Painted, metallic grey

STD drawing 1053281

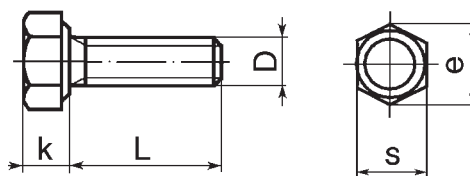


Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M14x100	981523		

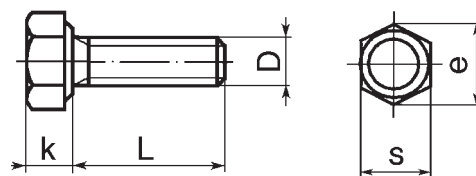
M6S 8.8 UNC-gänga zib**Elförzinkad zink-järn, svartkromaterad****M6S 8.8 UNC-thread zib****Electro zincplated zinc-iron, black chromated****STD drawing 1053819, 1052065 ¹⁾, STD 17122,175 ²⁾, -166 ³⁾**

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
1/4UNCx7,9	955510	3/8UNCx25	940115
1/4UNCx9,5	955511	3/8UNCx28,6	941939 ²⁾
1/4UNCx13	955512	3/8UNCx32	955535
1/4UNCx16	940100	3/8UNCx38	940162
1/4UNCx19	955513	3/8UNCx41,3	945698 ²⁾
1/4UNCx22	940094	3/8UNCx45	955536
1/4UNCx25	955514	3/8UNCx51	955537
1/4UNCx32	940117	3/8UNCx57	955538
1/4UNCx38	955515	3/8UNCx64	955539
1/4UNCx45	940158	3/8UNCx70	955528
1/4UNCx51	955516	3/8UNCx76	955541
1/4UNCx57	940180	3/8UNCx83	955542
1/4UNCx64	940182	3/8UNCx89	940156
1/4UNCx76	955517	3/8UNCx95	955543
1/4UNCx83	955518	3/8UNCx102	955544
1/4UNCx89	955519	3/8UNCx108	942529 ¹⁾
5/16UNCx13	940113	3/8UNCx114	942338
5/16UNCx16	955523	3/8UNCx121	102041 ³⁾
5/16UNCx19	955524	3/8UNCx127	942268
5/16UNCx22	940135	3/8UNCx128	190443 ³⁾
5/16UNCx25	955525	3/8UNCx133	942547 ¹⁾
5/16UNCx32	940159	3/8UNCx133	192498 ³⁾
5/16UNCx38	940186	3/8UNCx140	959797
5/16UNCx45	940161	3/8UNCx152	959798
5/16UNCx51	955526	3/8UNCx159	941251 ³⁾
5/16UNCx57	955527	7/16UNCx16	955546
5/16UNCx64	940136	7/16UNCx22	955548
5/16UNCx70	955528	7/16UNCx25	940116
5/16UNCx76	955529	7/16UNCx38	940160
5/16UNCx83	955530	7/16UNCx45	955549
5/16UNCx89	955531	7/16UNCx51	955550
5/16UNCx95	955532	7/16UNCx57	955551
5/16UNCx102	955533	7/16UNCx64	955552
5/16UNCx108	949886 ¹⁾	7/16UNCx70	955553
5/16UNCx114	959793	7/16UNCx76	955554
5/16UNCx121	192546 ³⁾	7/16UNCx83	955555
5/16UNCx127	959794	7/16UNCx89	955556
5/16UNCx140	959795	7/16UNCx95	940184
5/16UNCx165	944446 ³⁾	7/16UNCx102	955557
5/16UNCx171	966688 ³⁾	7/16UNCx114	959803
5/16UNCx178	941678 ³⁾	7/16UNCx127	959804
5/16UNCx184	944929 ³⁾	7/16UNCx165	959807
5/16UNCx198	941679 ³⁾	7/16UNCx190	959809
3/8UNCx13	940098	1/2UNCx19	955558
3/8UNCx16	940133	1/2UNCx22	955559
3/8UNCx19	955534	1/2UNCx25	955560
3/8UNCx22	940114	1/2UNCx31,8	942524 ²⁾

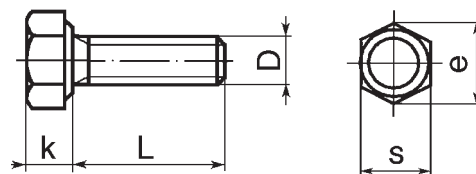


M6S 8.8 UNC-gänga zib**Elförzinkad zink-järn, svartkromaterad****M6S 8.8 UNC-thread zib****Electro zincplated zinc-iron, black chromated****STD drawing 1053819, 1052065 ¹⁾, STD 17122,175 ²⁾, -166 ³⁾**

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
1/2UNCx32	955561		
1/2UNCx38	955562		
1/2UNCx45	955563		
1/2UNCx51	955564		
1/2UNCx57	955565		
1/2UNCx64	955566		
1/2UNCx70	955567		
1/2UNCx76	955568		
1/2UNCx83	955569		
1/2UNCx95	955571		
1/2UNCx102	955572		
1/2UNCx108	190581 ³⁾		
1/2UNCx114	941857		
1/2UNCx114	941695 ³⁾		
1/2UNCx127	959811		
1/2UNCx127	191812 ³⁾		
1/2UNCx140	967412 ³⁾		
9/16UNCx25	955575		
9/16UNCx32	955576		
9/16UNCx38	955577		
9/16UNCx45	955578		
9/16UNCx51	955579		
9/16UNCx57	955580		
9/16UNCx64	955581		
9/16UNCx70	955582		
9/16UNCx76	955583		
9/16UNCx95	955586		
9/16UNCx102	955587		
9/16UNCx152	959821		
9/16UNCx178	959823		
9/16UNCx203	959825		
5/8UNCx32	955589		
5/8UNCx38	955590		
5/8UNCx45	955591		
5/8UNCx51	955592		
5/8UNCx57	955593		
5/8UNCx89	955598		
5/8UNCx114	959826		
5/8UNCx152	959829		
3/4UNCx51	955604		
3/4UNCx102	955612		
3/4UNCx114	959834		
3/4UNCx127	959835		
1UNCx190	959856		

U6S 8.8 UNC-gänga**Obehandlade****U6S 8.8 UNC-thread****Untreated****STD 7122,3**

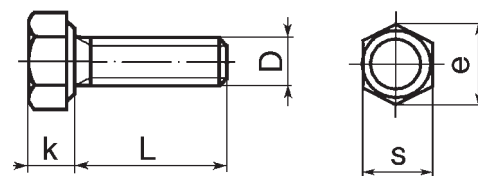
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
1/4UNCx70	921814	7/16UNCx32	921860
5/16UNCx45	921828	7/16UNCx45	921862
3/8UNCx70	921849		

M6S 8.8 UNF-gänga zib**Elförzinkad zink-järn, svartkromaterad****M6S 8.8 UNF-thread zib****Electro zincplated zinc-iron, black chromated****STD drawing 1053373, 1053134 ¹⁾**

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
1/4UNFx13	955636	1/2UNFx152	959885
1/4UNFx19	955638	9/16UNFx45	940111
1/4UNFx22	955639	9/16UNFx51	955724
1/4UNFx25	955640	9/16UNFx57	955725
5/16UNFx13	955654	9/16UNFx64	955726
5/16UNFx38	955660	9/16UNFx102	955732
5/16UNFx45	955661	5/8UNFx38	955735
3/8UNFx19	955673	5/8UNFx51	955737
3/8UNFx32	955676	5/8UNFx57	955738
3/8UNFx38	955677	5/8UNFx64	955739
7/16UNFx45	945627 ¹⁾	3/4UNFx102	955757
1/2UNFx25	955706	3/4UNFx114	959904
1/2UNFx38	955708		

U6S 10.9 UNC-gänga
Obehandlade

U6S 10.9 UNC-thread
Untreated



STD drawing 1054035

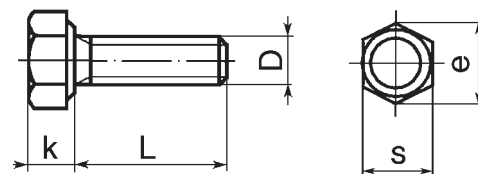
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
1/4UNCx25	960646	7/16UNCx89	960724
3/8UNCx127	960703	1/2UNCx76	960745
3/8UNCx140	960704	9/16UNCx64	960766
3/8UNCx165	960706	5/8UNCx178	960799
7/16UNCx57	960719		

M6S 10.9 UNF-gänga fos
Fosfaterade

Snäv stamtolerans

M6S 10.9 UNF-thread fos
Phosphated

Tight tolerance on shank diameter

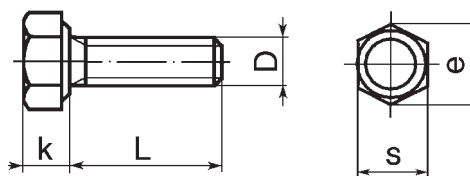


STD drawing 1054190

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
5/16UNFx28,6	942267	3/8UNFx37	967649
3/8UNFx32	102726	3/8UNFx40	102720
3/8UNFx32	942803	3/8UNFx44	946835
3/8UNFx34	946545		

U6S 10.9 UNF-gänga
Obehandlade

U6S 10.9 UNF-thread
Untreated



STD drawing 1054179, 945672 ¹⁾, 941570 ²⁾

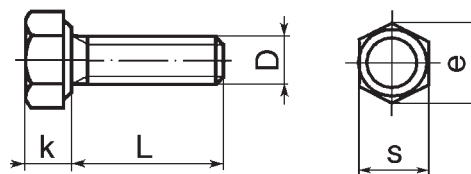
Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3/8UNFx19	968726		
3/8UNFx38	945672 ¹⁾		
1/2UNFx25	943144		
9/16UNFx38	941570 ²⁾		
9/16UNFx45	947561		
9/16UNFx51	944710		

R-M6S 8.8 M-gänga A2
Rostfri

Hållfasthetsklass A2-80

R-M6S 8.8 M-thread A2
Stainless

Property class A2-80



STD drawing 1052180

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M5x20	963548		
M6x12	963554		
M6x16	963556		
M8x25	946730		

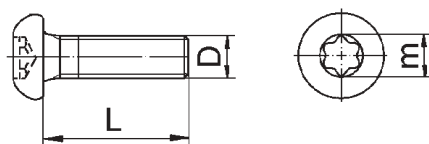
Sextandhålskruv, Torx 8.8 M-gänga
Elförzinkade zink-järn, svartkromaterade

Rundat huvud

Six point socket screw, Torx 8.8 M-thread
Electro-zincplated zinc-iron, black chromated

Pan head

STD drawing 1052188, 3177018 ¹⁾



Dimension D x L x m	Artikel nr. Part No.	Dimension D x L x m	Artikel nr. Part No.
M3x12, T 10	3177018 ¹⁾		
M4x8, T 20	969512		
M4x12, T 20	969514		
M4x16, T 20	969516		
M4x20, T 20	969556		
M4x25, T 20	969518		
M4x30, T 20	969558		
M5x8, T 25	969403		
M5x10, T 25	969404		
M5x12, T 25	969405		
M5x16, T 25	969407		
M5x20, T 25	969408		
M5x25, T 25	969409		
M5x30, T 25	969410		
M5x35, T 25	969411		
M5x40, T 25	969439		
M5x50, T 25	969440		
M5x60, T 25	969578		
M6x8, T 30	969418		
M6x12, T 30	969420		
M6x16, T 30	969422		
M6x20, T 30	969147		
M6x25, T 30	969423		
M6x30, T 30	969587		
M6x40, T 30	969589		
M6x50, T 30	969591		
M6x60, T 30	969428		
M8x10, T 40	969430		
M8x12, T 40	969431		
M8x16, T 40	969598		
M8x20, T 40	969599		
M8x25, T 40	969600		
M8x30, T 40	969601		
M8x40, T 40	969436		
M8x45, T 40	969533		
M8x50, T 40	969437		
M8x60, T 40	969438		
M10x14, T 50	969537		
M10x35, T 50	969542		
M10x50, T 50	969545		

Sextandhålskruv, Torx 8.8 M-gänga zib

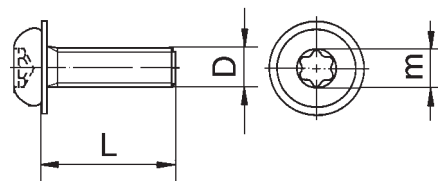
Elförzinkade zink-järn, svartkromaterade

Oförlorbar bricka

Six point socket screw, Torx 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Captive washer



STD drawing 1052197

Dimension D x L x m	Artikel nr. Part No.	Dimension D x L x m	Artikel nr. Part No.
M5x12, T 25	971304	M6x25, T 30	971368
M5x16, T 25	971306	M6x30, T 30	971369
M5x20, T 25	971307	M6x40, T 30	971371
M5x30, T 25	971309	M6x50, T 30	971373
M5x40, T 25	971356	M8x12, T 40	971378
M5x50, T 25	971358	M8x16, T 40	971335
M5x60, T 25	971360	M8x20, T 40	971381
M6x12, T 30	971319	M8x25, T 40	971382
M6x16, T 30	971321	M8x30, T 40	971383
M6x20, T 30	971322		

Sextandhålskruv, Torx M-gänga A2-80

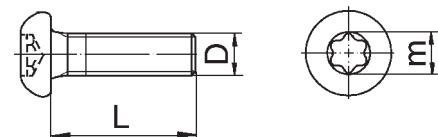
Svartkromaterade

Rostfritt stål

Six point socket screw, Torx M-thread A2-80

Black chromated

Stainless steel



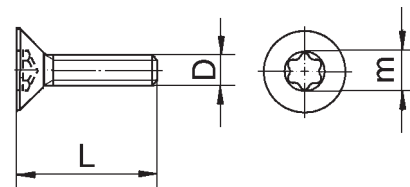
STD drawing 1052287

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x20, T 30	973879		
M6x25, T 30	976778		

Sextandhålskruv, Torx 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

Sänkhuvud



Six point socket screw, Torx 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Countersunk head

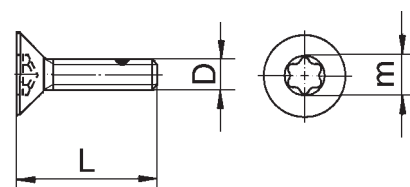
STD drawing 1052203, 1052162 ¹⁾

Dimension D x L x m	Artikel nr. Part No.	Dimension D x L x m	Artikel nr. Part No.
M4x16, T 20	969788	M6x25, T 30	969818
M4x30, T 20	969791	M6x30, T 30	969739
M5x10, T 25	969722	M6x45, T 30	969822
M5x12, T 25	969800	M8x16, T 40	969841
M5x16, T 25	969802	M8x20, T 40	969842
M5x20, T 25	969726	M8x25, T 40	969843
M5x50, T 25	969809	M8x30, T 40	969373
M6x8, T 30	969735	M8x40, T 40	969846
M6x12, T 30	969737	M8x45, T 40	969754
M6x14, T 30	969216	M8x55, T 40	969756
M6x16, T 30	969738	M12x25, T 55	980343 ¹⁾
M6x20, T 30	969817		

Sextandhålskruv, Torx 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

Sänkhuvud, Friktionsgivande element



Six point socket screw, Torx 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Countersunk head, Prevailing torque feature

STD drawing 1052204

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M5x16, T 25	977766		

Sextandhålskruv, Torx M-gänga A2-80

Rostfritt stål, Lackerade metallgrå

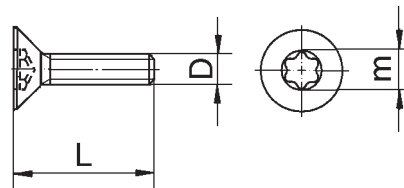
Med sänkhuvud

Six point socket screw, Torx M-thread A2-80

Stainless steel, Painted metallic grey

With countersunk head

STD drawing 1054105



Dimension
D x L x m

Artikel nr.
Part No.

M8x20, T 40

982397

Dimension

Artikel nr.
Part No.

Sextandhålskruv, Torx M-gänga A2-80

Rostfritt stål

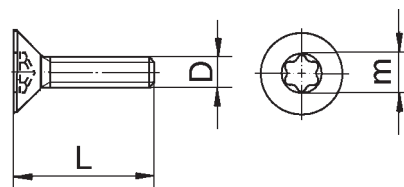
Med sänkhuvud

Six point socket screw, Torx M-thread A2-80

Stainless steel

With countersunk head

STD drawing 1052208



Dimension
D x L x m

Artikel nr.
Part No.

M6x50, T 30

969905

Dimension

Artikel nr.
Part No.

MRX 4.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

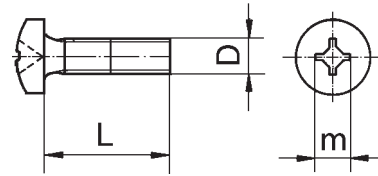
Phillipsspår

MRX 4.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Phillip track

STD drawing 1052632



Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M3x6	956044	M4x10	956060
M3x10	956046	M4x22	956065
M3x12	956047	M4x40	956069
M3x20	956050	M6x10	956091
M3x25	956052	M6x14	956093
M3x30	956053	M6x22	956096
M4x6	956058	M8x35	956118

MRX M-gänga zib

Elförzinkade

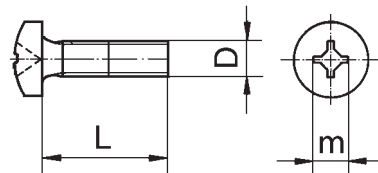
Grov stigning

MRX M-thread zib

Electro-zincplated

Coarse pitch

STD 17124,105



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M5x55	956087		
M6x55	956103		
M6x65	956105		

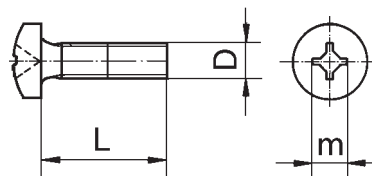
MRX M-gänga

Mässing

MRX M-thread

Brass

STD 17124,081



Dimension
D x L

Artikel nr.
Part No.

M3x16
M4x12

946177
941610

Dimension

Artikel nr.
Part No.

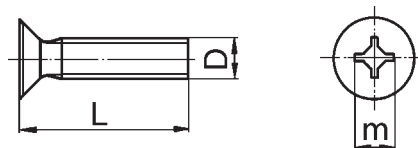
MFX 4.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

MFX 4.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1052943



Dimension
D x L

Artikel nr.
Part No.

M3x12
M4x8
M4x12
M4x16
M4x20
M4x30

956151
956162
956164
956166
956167
956170

Dimension
D x L

Artikel nr.
Part No.

M5x8
M6x10
M6x22
M8x50
M8x60
M10x30

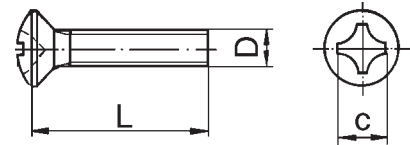
956182
956202
956207
956231
956233
956244

MKFX 4.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

MKFX 4.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1052977, STD 7124,141 ¹⁾

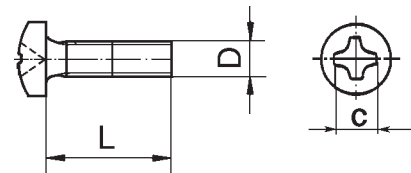
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M3x30	956266	M5x25	948647 ¹⁾
M4x25	956278	M6x20	965442 ¹⁾
M5x10	956292	M6x40	956320

URX UNC-gänga zib

Elförzinkade, gulkromaterade

URX UNC-thread zib

Electro-zincplated, yellow chromated



STD drawing 1057715

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
NR6UNCx9,5	950003	NR10UNCx45	950028
NR6UNCx13	950004	NR10UNCx51	950029
NR8UNCx4,8	950007	NR12UNCx13	950033
NR8UNCx13	950011	NR12UNCx16	950034
NR8UNCx19	950013	NR12UNCx19	950035
NR8UNCx25	950015	1/4UNCx9,5	950044
NR10UNCx9,5	950020	1/4UNCx13	950045
NR10UNCx13	950021	1/4UNCx16	950046
NR10UNCx16	950022	1/4UNCx19	950047
NR10UNCx19	950023	1/4UNCx22	950048
NR10UNCx22	950024	1/4UNCx25	950049
NR10UNCx25	950025	1/4UNCx32	950050
NR10UNCx32	950026	1/4UNCx38	950051
NR10UNCx38	950027	5/16UNCx16	950059

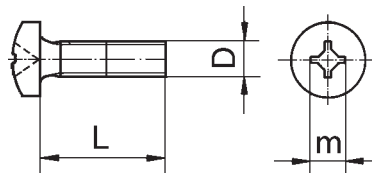
UKFX 4.8 UNC-gänga zib

Elförzinkade zink-järn, svartkromaterade

UKFX 4.8 UNC-thread zib

Electro-zincplated zinc-iron, black chromated

STD 7124,24



Dimension D x L	Artikel nr. Part No.
NR8UNCx9,5	950217
NR8UNCx32	950223
1/4UNCx38	950255

Dimension	Artikel nr. Part No.
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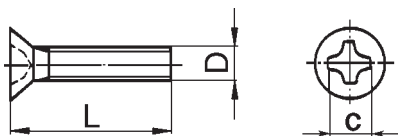
UFX 5.8 UNC-gänga

Elförzinkade, gulkromaterade

UFX 5.8 UNC-thread

Electro-zincplated, yellow chromated

STD drawing 1057716



Dimension D x L	Artikel nr. Part No.
NR8UNCx6,3	950110
NR8UNCx13	950113
1/4UNCx9,5	950143
1/4UNCx13	950144
1/4UNCx16	950145

Dimension D x L	Artikel nr. Part No.
1/4UNCx19	950146
1/4UNCx22	950147
5/16UNCx19	950158
5/16UNCx38	950162
1/2UNCx25	950197

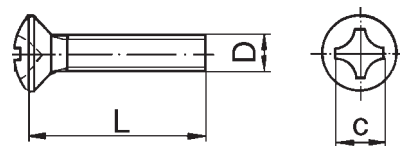
MKFX M-gänga

Rostfritt stål

MKFX M-thread

Stainless steel

STD drawing 6876447



Dimension D x L	Artikel nr. Part No.
M4x20	6876447

Dimension	Artikel nr. Part No.
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SR-MFX M-gänga A2

Rostfritt stål

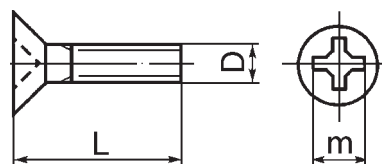
Hållfasthetsklass A2-50

SR-MFX M-thread A2

Stainless steel

Property class A2-50

STD drawing 1053481



Dimension D x L	Artikel nr. Part No.
M6x40	958725
M6x70	948727

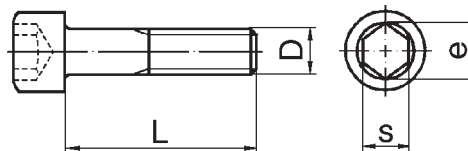
Dimension	Artikel nr. Part No.
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MC6S 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

MC6S 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated



STD drawing 1052942, 1053380 ¹⁾, 1053762 ²⁾

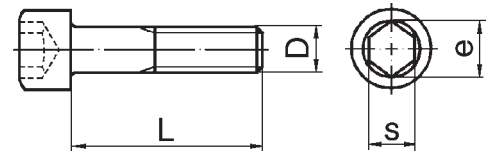
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M3x10	959165	M12x70	959263
M4x8	959173	M12x80	959265
M4x10	959174	M12x90	959266
M4x14	959176 ¹⁾	M16x25	959272
M4x30	959181	M16x60	959279
M5x8	961236	M16x70	959281
M5x12	959187	M16x120	959287
M5x30	959193	M20x50	959292
M5x35	959194	M20x120	959302
M5x50	959197	M20x140	946916
M6x14	959202 ¹⁾		
M6x16	942001		
M6x20	940326		
M6x22	942247 ¹⁾		
M6x25	942314		
M6x30	959207		
M6x65	959214 ¹⁾		
M8x16	959219		
M8x20	959220		
M8x25	959222		
M8x30	959223		
M8x35	959224		
M8x40	941761		
M8x45	959226		
M8x50	959227		
M8x55	941762		
M8x60	959229		
M8x65	959230		
M8x70	959231		
M8x100	969501 ²⁾		
M8x128	977647 ¹⁾		
M8x130	977648 ¹⁾		
M10x20	959236		
M10x25	959238		
M10x30	959239		
M10x35	959240		
M10x40	959241		
M10x45	959242		
M10x50	959243		
M10x60	959245		
M10x90	959250		
M12x25	959254		
M12x35	959256		
M12x40	959257		
M12x45	959258		
M12x55	959260		
M12x60	959261		

MLC6S 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

MLC6S 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1052796, 1608741 ¹⁾**Dimension**
D × LArtikel nr.
Part No.
M8x16 947377
M8x20 946291
M8x23 1608741 ¹⁾

1) yellow chromated

Dimension
D × LArtikel nr.
Part No.**MC6S 8.8 M-gänga zib**

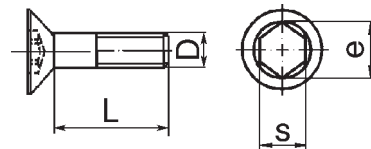
Elförzinkade zink-järn, svartkromaterade

Med sänkhuvud

MC6S 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

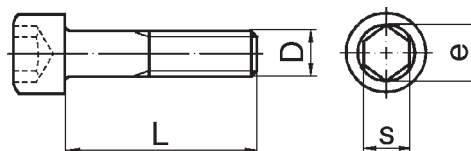
With countersunk head

STD drawing 1052068, 1052053 ¹⁾**Dimension**
D × LArtikel nr.
Part No.
M10x25 947963
M10x30 949044
M10x40 949302
M10x75 982506
M12x20 967658
M12x25 948396
M12x30 948345
M12x35 944652**Dimension**
D × LArtikel nr.
Part No.
M12x40 944653
M12x50 967820
M12x55 948387
M12x80 949164
M12x110 982135
M14x45 980337
M14x90 980180 ¹⁾
M16x70 967661

MC6S 10.9 M-gänga fos
Fosfaterade

MC6S 10.9 M-thread fos
Phosphated

STD drawing 1053737, 1053761 ¹⁾

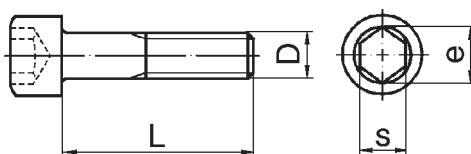


Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M14x30	968304		
M14x35	946094		
M14x45	967965		
M14x55	949715 ¹⁾		

MC6S 10.9 MF-gänga fos
Fosfaterade

MC6S 10.9 MF-thread fos
Phosphated

STD drawing 1053097



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x40	979946		
M20x55	977519		

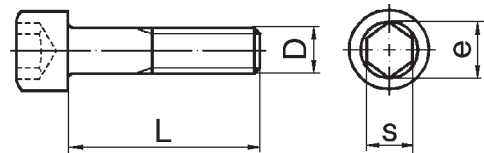
MC6S 10.9 M-gänga

Lackerad, metallgrå

MC6S 10.9 M-thread

Painted, metallic grey

STD drawing 1053547

**Dimension**
D × L**Artikel nr.**
Part No.

M12x70

981744

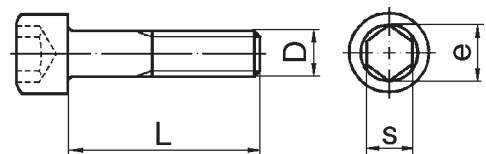
Dimension**Artikel nr.**
Part No.**MC6S 10.9 M-gänga**

Obehandlade

MC6S 10.9 M-thread

Untreated

STD drawing 1053735

**Dimension**
D × L**Artikel nr.**
Part No.

M8x35

973523

M10x45

969169

M10x60

974111

M10x70

974113

M12x40

966789

Dimension**Artikel nr.**
Part No.

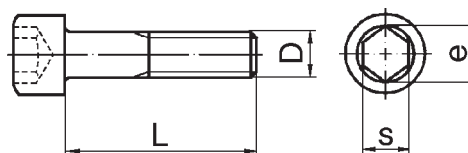
MC6S 12.9 M-gänga

Obehandlade

MC6S 12.9 M-thread

Untreated

STD drawing 1052093



Dimension
D x L

Artikel nr.
Part No.

M8x20 967630
M14x130 966830
M14x160 966836
M14x180 966837
M16x110 947323

Dimension

Artikel nr.
Part No.

MC6S 10.9 M-gänga fos

Fosfaterade

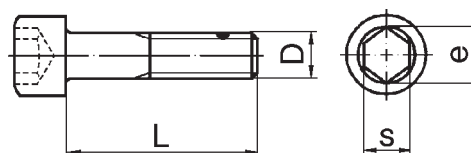
Med friktionsgivande element

MC6S 10.9 M-thread fos

Phosphated

With prevailing torque feature

STD drawing 1053484, 1619984 ¹⁾



Dimension
D x L

Artikel nr.
Part No.

M14x55 977282
M20x90 1619984 ¹⁾

Dimension

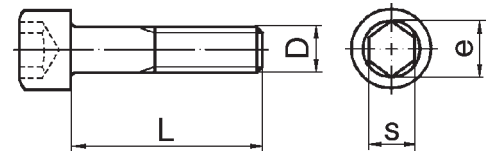
Artikel nr.
Part No.

UC6S 8.8 UNC-gänga zib

Elförzinkade, gulkromaterade

UC6S 8.8 UNC-thread zib

Electro-zincplated, yellow chromated



STD drawing 1053648

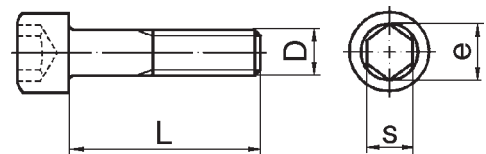
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
NR10UNCx19	956542	5/16UNCx64	956576
NR10UNCx25	956544	5/16UNCx127	959339
NR10UNCx51	956548	3/8UNCx25	956584
1/4UNCx13	956552	3/8UNCx32	956585
1/4UNCx22	956555	3/8UNCx45	956587
1/4UNCx64	956562	3/8UNCx89	956594
5/16UNCx22	956569	7/16UNCx32	956601
5/16UNCx25	956570	7/16UNCx51	956604
5/16UNCx32	956571	7/16UNCx57	956605
5/16UNCx38	956572		

UC6S 12.9 UNC-gänga

Obehandlade

UC6S 12.9 UNC-thread

Untreated



STD 17124,712

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3/8UNCx76	946380		

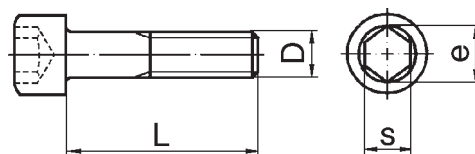
MC6S M-gänga A2-70

Rostfritt stål

MC6S M-thread A2-70

Stainless steel

STD drawing 1053568



Dimension
D × L

Artikel nr.
Part No.

Dimension

Artikel nr.
Part No.

M5x8

963692

M8x20

963697

M8x40

963699

M8x45

963700

Sextandhålskruv, Torx M-gänga zib

Elförzinkade zink-järn, svartkromaterade

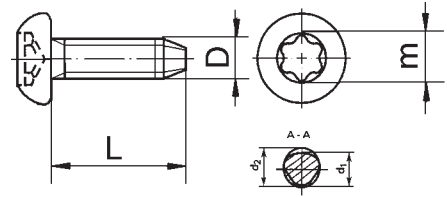
Gängpressande, Sätthärdat stål

Six point socket screw, Torx M-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Case hardened steel

STD drawing 1052259, 1052262 ¹⁾



Dimension D x L x m	Artikel nr. Part No.
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M5x12, T 25	972409
M6x30, T 30	968924 ¹⁾
M8x14, T 40	972542
M8x20, T 40	972544

Dimension	Artikel nr. Part No.
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Sextandhålskruv, Torx M-gänga zib

Elförzinkade, gulkromaterade

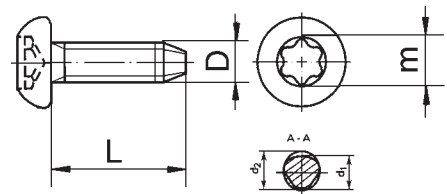
Gängpressande, Sätthärdat stål, Avsedda för jordningsförband

Six point socket screw, Torx M-thread zib

Electro-zincplated, yellow chromated

Tapping, Case hardened steel, Intended for earthing joints

STD drawing 1052260



Dimension D x L x m	Artikel nr. Part No.
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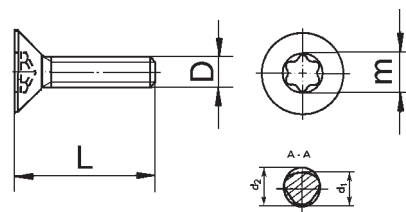
M6x10, T 30	972426
M6x16, T 30	977633

Dimension	Artikel nr. Part No.
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Sextandhålskruv, Torx M-gänga zib

Elförzinkade zink-järn, svartkromaterade

Sätthärdat stål, gängpressande, Med sänkhuvud



Six point socket screw, Torx M-thread zib

Electro-zincplated zinc-iron, black chromated

Case hardened steel, tapping, With countersunk head

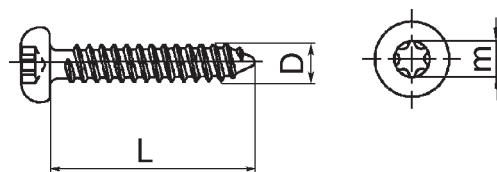
STD drawing 1052264

Dimension D x L x m	Artikel nr. Part No.	Dimension D x L x m	Artikel nr. Part No.
M6x25, T30	972395		

Sextandhålskruv, Torx ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Gängpressande, Rundat huvud, Rundad ände



Six point socket screw, Torx ST-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Pan head, Rounded end

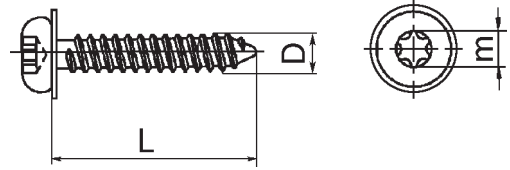
STD drawing 1052218

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
ST2,9x9,5	969462	ST4,8x13	969278
ST3,5x9,5	969464	ST4,8x19	969476
ST3,5x13	969456	ST4,8x25	969478
ST3,5x19	969466	ST4,8x32	969479
ST4,2x13	972007	ST4,8x38	981772
ST4,2x19	969470	ST6,3x13	969487
ST4,2x38	972013	ST6,3x19	969489
ST4,8x9,5	969473	ST6,3x25	969491
		ST6,3x32	972033
		ST6,3x38	972034

Sextandhålskruv, Torx ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Gängpressande, Rundat huvud, Rundad ände, Oförlorbar bricka



Six point socket tapping screws, Torx ST-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Pan head, Rounded end, Captive washer

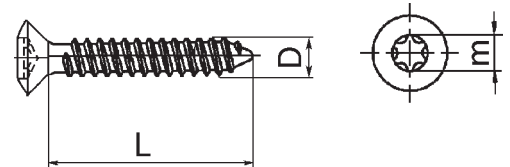
STD drawing 1052222, 1052077 ¹⁾

Dimension D x L x m	Artikel nr. Part No.	Dimension D x L x m	Artikel nr. Part No.
ST3,5x9,5, T 10	972069	ST4,8x25, T 25	972083
ST3,5x13, T 10	972070	ST4,8x32, T 25	972084
ST3,5x19, T 10	972072	ST5,5x38, T 25	972592
ST4,8x9,5, T 25	972078	ST6,3x13, T30	972092
ST4,8x13, T 25	972079	ST6,3x25, T 30	972125
ST4,8x19, T 25	972081	ST6,3x32, T 30	972097
ST4,8x19, T 25	972240 ¹⁾		

Sextandhålskruv, Torx ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Gängpressande, kullersänkhuvud



Six point socket tapping screws, Torx ST-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Raised countersunk head

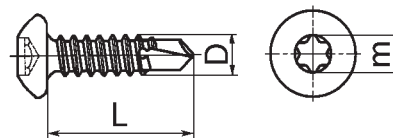
STD drawing 1052228

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST3,5x19, T 10	972135		
ST4,2x25, T 20	972181		
ST4,8x13, T 25	972147		
ST4,8x19, T 25	972186		
ST4,8x22, T 25	972150		
ST4,8x25, T 25	972151		
ST4,8x38, T 25	972190		

Sextandhålskruv, Torx ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Borrande, Gängpressande, Rundat huvud



Six point socket tapping screws, Torx ST-thread zib

Electro-zincplated zinc-iron, black chromated

Self-drilling, Tapping, Pan head

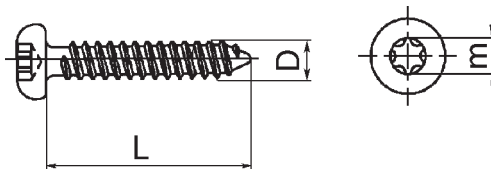
STD drawing 1052301

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST4,8x13, T 25	972291		
ST4,8x19, T 25	972293		
ST4,8x32, T 25	972296		

Sextandhålskruv, Torx ST-gänga zib

Rostfritt stål

Gängpressande, Rundat huvud, Rundad ände



Six point socket tapping screws, Torx ST-thread zib

Stainless steel

Tapping, Pan head, Rounded end

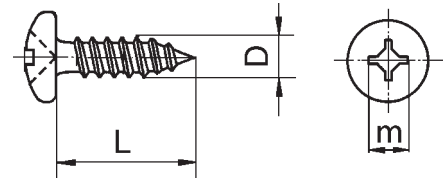
STD drawing 1052192

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST4,8x13, T 25	972049		
ST4,8x19, T 25	972051		

RXS ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Rundat huvud, Spetsig ände



RXS ST-thread zib

Electro-zincplated zinc-iron, black chromated

Rounded head, Cone end

STD drawing 1052634, 1052986 ¹⁾

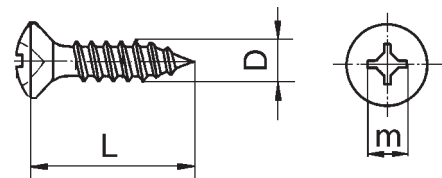
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
ST2,9x13	955116	ST4,8x22	955142
ST3,5x25	190896 ¹⁾	ST5,5x13	958236
ST4,2x8	955125 ¹⁾	ST5,5x16	958238
ST4,2x9,5	955126	ST5,5x19	958239
ST4,2x16	955129	ST5,5x25	958240
ST4,2x22	955131	ST5,5x32	958241
ST4,2x25	955132	ST5,5x38	958242
ST4,2x30	955133 ¹⁾	ST5,5x45	949319 ¹⁾
ST4,8x16	955140	ST6,3x16	958246

KFXS ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

KFXS ST-thread zib

Electro-zincplated zinc-iron, black chromated



STD drawing 1053383

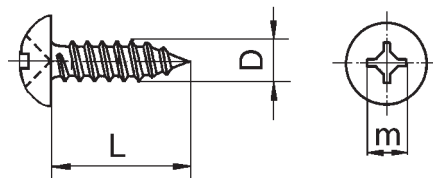
Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST3,5x13	955154		
ST4,2x13	955161		
ST4,2x16	955163		
ST4,2x19	955164		
ST4,2x32	955167		
ST4,8x16	955174		
ST6,3x16	958291		
ST6,3x19	958292		

LKXS ST-gänga fos

Fosfaterade

LKXS ST-thread fos

Phosphated



STD drawing 1053440, 1052987 ¹⁾, STD 17127,412 ²⁾

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST3,5x10	192318 ¹⁾		
ST3,5x12	191542 ²⁾		
ST4,2x12	945683		
ST4,8x19	946220		

Krysssemsskruv ST-gänga zib

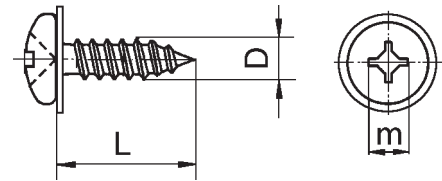
Elförzinkade zink-järn, svartkromaterade

Gängpressande, Rundat huvud, Spetsig ände

Cross recessed tapping sems screws ST-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Pan head, Cone end



STD drawing 1052635

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST4,8x16	965396		
ST5,5x13	965399		

Krysssemsskruv ST-gänga zib

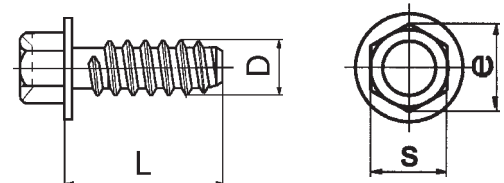
Elförzinkade zink-järn, svartkromaterade

Gängpressande, Plan ände

Cross recessed tapping sems screws ST-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Flat end



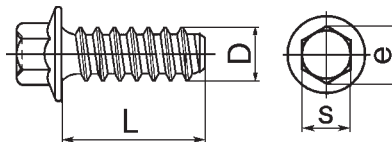
STD drawing 1052341

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST4,8x13	965354		
ST6,3x16	946485		
ST6,3x22	965365		

M6SF ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Gängpressande, Plan ände



M6SF ST-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Flat end

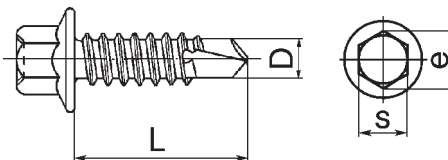
STD drawing 1052172

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST4,8x13	968476		
ST4,8x38	949460		
ST6,3x13	968478		
ST6,3x25	968479		

M6SF ST-gänga zib

Elförzinkade zink-järn, svartkromaterade

Borrande, Gängpressande



M6SF ST-thread zib

Electro-zincplated zinc-iron, black chromated

Drilling, Tapping

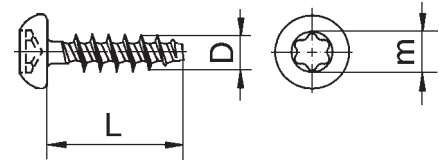
STD drawing 1053997

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST6,3x19	948951		
ST6,3x38	949857		

Sextandhålskruv, Torx PF-gänga zib

Elförzinkade zink-järn, svartkromaterade

Skrivar avsedda för plastmaterial



Six point socket tapping screws, Torx PF-thread zib

Electro-zincplated zinc-iron, black chromated

Screws intended for plastic materials

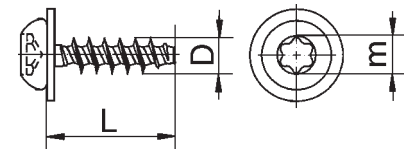
STD drawing 1052233, 1052232 ¹⁾

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
PF4x10, T 15	972321 ¹⁾		
PF4x12, T 15	975367		
PF4x20, T 15	975371		
PF5x16, T 20	975378		
PF5x20, T 20	975380		
PF5x60, T 20	977812		
PF6x14, T 25	975386		
PF6x16, T 25	975387		

Sextandhålskruv, Torx PF-gänga zib

Elförzinkade zink-järn, svartkromaterade

Med oförlorbara brickor. Skruvar avsedda för plastmaterial



Six point socket tapping screws, Torx PF-thread zib

Electro-zincplated zinc-iron, black chromated

With captive washers. Screws intended for plastic materials

STD drawing 1052238

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
PF4x12, T 15	977166		
PF4x14, T 15	976154		
PF5x16, T 20	976162		
PF5x18, T 20	976163		
PF5x20, T 20	976164		
PF6x20, T 25	977172		
PF6x25, T 25	976170		

Sextandhålskruv, Torx PF-gänga zib

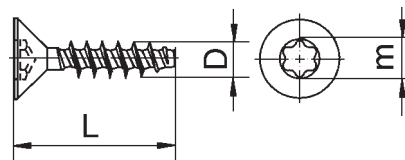
Elförzinkade zink-järn, svartkromaterade

Gängpressande, Sänkhuvud, Avsedda för plastmaterial

Six point socket screw, Torx PF-thread zib

Electro-zincplated zinc-iron, black chromated

Tapping, Countersunk head, Intended for plastic materials



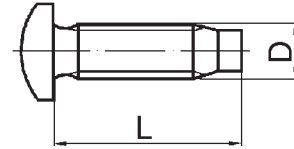
STD drawing 1052249

Dimension D x L x m	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
PF3x10, T 8	976602		

Drivskruv zib

Elförzinkade zink-järn, svartkromaterade

Med kullrigt huvud



Drive screw zib

Electro-zincplated zinc-iron, black chromated

With round head

STD drawing 1053389

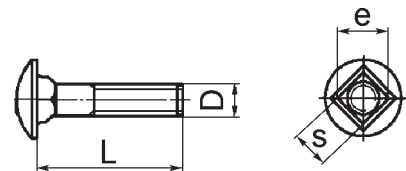
Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
NR2x3	950887		
NR2x5	950889		
NR2x6	905656		
NR4x5	950891		

Kullerskruv M-gänga zib

Elförzinkade zink-järn, svartkromaterade

Square neck screw M-thread zib

Electro-zincplated zinc-iron, black chromated



STD drawing 1053012

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x55	948439		
M16x80	976239		
M16x100	976241		

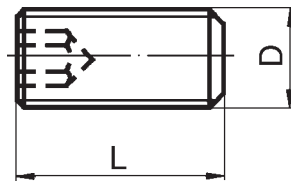
MP6SS M-gänga

Med sexkantshål och plan ände

MP6SS M-thread

With hexagon socket and flat point

STD drawing 1052355, 1669989 ¹⁾



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x8	962932		
M8x10	962933		
M8x20	962937		
M10x10	962942		
M10x20	962946		
M10x35	1669989 ¹⁾		
M16x40	962964		

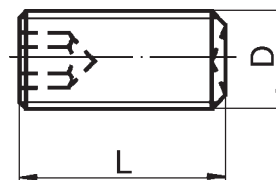
MSK6SS M-gänga 45H

Med sexkantshål och skål

MSK6SS M-thread 45H

With hexagon socket and cup point

STD drawing 1053242



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x8	963049		
M6x20	963054		
M8x8	963057		
M8x12	963059		
M8x20	963062		
M12x16	963077		

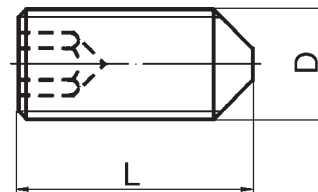
MS6SS M-gänga 45H

Med sexkantshål och spets

MS6SS M-thread 45H

With hexagon socket and cone point

STD drawing 1053765



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M4x12	967310		
M5x8	945647		
M5x10	967313		
M6x10	963005		
M8x20	963017		
M10x16	963025		

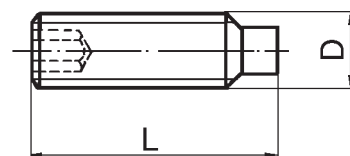
MT6SS M-gänga

Obehandlad

MT6SS M-thread

Untreated

STD 7125,16



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x12	962976		
M10x30	962988		

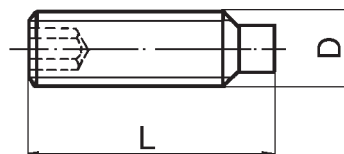
MT6SS M-gänga

Med friktionsgivande element

MT6SS M-thread

With prevailing torque feature

STD 17125,407



Dimension
D x L

Artikel nr.
Part No.

Dimension

Artikel nr.
Part No.

M10x20

968455

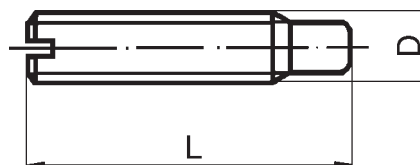
SSST 5.8 UNC-gänga

Obehandlad

SSST 5.8 UNC-thread

Untreated

STD 17125,325



Dimension
D x L

Artikel nr.
Part No.

Dimension

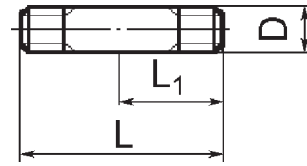
Artikel nr.
Part No.

1/4UNCx14

951354

PS 8.8 M-gänga fos
Fosfaterade

PS 8.8 M-thread fos
Phosphated



STD drawing 1053381, 1052683 ¹⁾, 1052515 ²⁾

Dimension D × L × L ₁	Artikel nr. Part No.	Dimension D × L × L ₁	Artikel nr. Part No.
M6x25x12	953031	M10x120x105	953001 ¹⁾
M6x25x15	924050 ¹⁾	M10x182x167	948932 ²⁾
M6x28x15	953032	M10x210x195	130199 ²⁾
M6x35x22	953035	M12x45x28	924092 ¹⁾
M6x48x35	953040	M12x50x28	953096
M6x52x39	948606 ²⁾	M12x50x33	924094 ¹⁾
M8x30x18	924060 ¹⁾	M12x55x33	953098
M8x32x16	953042	M12x55x38	924096 ¹⁾
M8x35x19	953043	M12x60x38	953100
M8x35x23	924062 ¹⁾	M12x60x43	924098 ¹⁾
M8x38x22	953044	M12x65x43	953102
M8x40x24	953045	M12x70x48	953103
M8x40x28	924064 ¹⁾	M12x70x53	924101 ¹⁾
M8x45x29	953047	M12x75x53	953104
M8x45x33	924066 ¹⁾	M12x80x58	953105
M8x50x34	953049	M12x90x68	953107
M8x55x39	953051	M12x100x78	953109
M8x55x43	924070 ¹⁾	M12x100x88	953111
M8x60x44	953053	M12x115x100	346690 ²⁾
M8x60x48	924072 ¹⁾	M12x130x108	953115
M8x65x49	953055	M12x130x113	953014 ¹⁾
M8x80x64	953058	M14x52x37	967951 ¹⁾
M8x85x69	953059	M14x58x37	130403 ¹⁾
M8x90x78	952991 ¹⁾	M14x70x49	949557 ¹⁾
M8x100x88	952993 ¹⁾	M16x70x48	924112 ¹⁾
M8x110x98	17942 ²⁾	M16x105x83	924119 ¹⁾
M8x120x104	968278 ²⁾	M20x90x63	924130 ¹⁾
M10x35x20	924075 ¹⁾		
M10x38x18	953064		
M10x38x23	924076 ¹⁾		
M10x42x27	924078 ¹⁾		
M10x45x25	953067		
M10x50x30	953069		
M10x52x37	924082 ¹⁾		
M10x55x35	953071		
M10x55x40	924083 ¹⁾		
M10x60x40	953073		
M10x65x45	953075		
M10x65x50	924087 ¹⁾		
M10x70x55	924088 ¹⁾		
M10x75x55	953077		
M10x75x60	924089 ¹⁾		
M10x90x70	953080		
M10x90x75	952995 ¹⁾		
M10x100x80	953082		
M10x100x85	952997 ¹⁾		
M10x105x90	952998 ¹⁾		
M10x115x100	953000 ¹⁾		

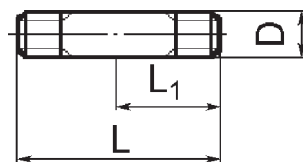
PS 8.8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

PS 8.8 M-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1052128



Dimension
 $D \times L \times L_1$

Artikel nr.
Part No.

M8x70x58
M8x80x68
M10x60x40

980279
981051
968932

Dimension

Artikel nr.
Part No.

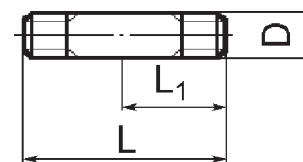
PS 10.9 M-gänga fos

Fosfaterade

PS 10.9 M-thread fos

Phosphated

STD drawing 1052548, 1591028 ¹⁾



Dimension
 $D \times L \times L_1$

Artikel nr.
Part No.

M10x50x35
M10x125x105
M14x62x41

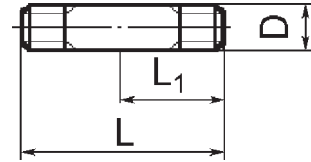
981542
981732
1591028 ¹⁾

Dimension

Artikel nr.
Part No.

PS 8.8 UNC-gänga fos
Fosfaterade

PS 8.8 UNC-thread fos
Phosphated



STD drawing 1054061, 1054239 ²⁾, STD 17126,2502 ¹⁾

Dimension D x L x L ₁	Artikel nr. Part No.	Dimension D x L x L ₁	Artikel nr. Part No.
1/4UNCx25x15	953224 ²⁾	9/16UNCx52x32	953345 ²⁾
1/4UNCx30x20	953226 ²⁾	9/16UNCx60x40	953348 ²⁾
1/4UNCx38x28	953229 ²⁾	9/16UNCx65x39	953575
1/4UNCx32x19	953452	9/16UNCx70x50	953351 ²⁾
1/4UNCx40x27	953455	9/16UNCx75x49	953577
5/16UNCx32x20	953236 ²⁾	9/16UNCx80x60	953353 ²⁾
5/16UNCx45x33	953241 ²⁾	9/16UNCx85x59	953579
5/16UNCx50x38	953243 ²⁾	9/16UNCx85x65	953354 ²⁾
5/16UNCx55x43	953245 ²⁾	9/16UNCx100x80	953357 ²⁾
5/16UNCx65x53	953249 ²⁾	9/16UNCx220x200	949895 ¹⁾
5/16UNCx70x54	953475		
5/16UNCx100x88	953256 ²⁾		
3/8UNCx35x21	953257 ²⁾		
3/8UNCx40x26	953259 ²⁾		
3/8UNCx45x27	953486		
3/8UNCx45x31	953261 ²⁾		
3/8UNCx50x32	953488		
3/8UNCx50x36	963263 ²⁾		
3/8UNCx55x37	953490		
3/8UNCx60x42	953492		
3/8UNCx60x46	953267 ²⁾		
3/8UNCx65x47	953494		
3/8UNCx70x52	953495		
3/8UNCx75x57	953496		
3/8UNCx80x62	953497		
3/8UNCx80x66	953272 ²⁾		
3/8UNCx90x72	953499		
3/8UNCx105x91	953277 ²⁾		
3/8UNCx115x97	953504		
3/8UNCx120x102	953505		
3/8UNCx120x106	953280 ²⁾		
7/16UNCx38x22	953287 ²⁾		
7/16UNCx50x29	953517		
7/16UNCx52x36	953293 ²⁾		
7/16UNCx55x34	953519		
7/16UNCx60x39	953521		
7/16UNCx62x41	953522		
7/16UNCx70x49	953524		
7/16UNCx75x54	953525		
7/16UNCx80x59	953526		
7/16UNCx64	953527		
7/16UNCx105x84	953531		
7/16UNCx110x89	953532		
7/16UNCx120x99	953534		
7/16UNCx130x109	953536		
1/2UNCx42x24	953316 ²⁾		
1/2UNCx45x22	953542		
1/2UNCx45x27	953317 ²⁾		

PS 10.9 UNC-gänga fos

Fosfaterade

Lång godsände



PS 10.9 UNC-thread fos

Phosphated

Long stud end

STD 7126,27

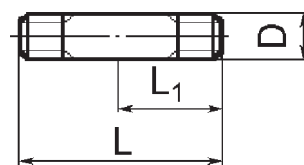
Dimension $D \times L \times L_1$	Artikel nr. Part No.
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3/8UNCx45x27	960932
9/16UNCx115x89	961031

Dimension	Artikel nr. Part No.
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PS 10.9 UNF-gänga fos

Fosfaterade



PS 10.9 UNF-thread fos

Phosphated

STD drawing 1588851

Dimension $D \times L \times L_1$	Artikel nr. Part No.
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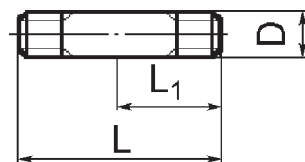
1/2UNFx63x41	1588851
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Dimension	Artikel nr. Part No.
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PS 8.8 M-gänga
Rostfritt stål A4-80

PS 8.8 M-thread
Stainless steel A4-80

STD drawing 1052133

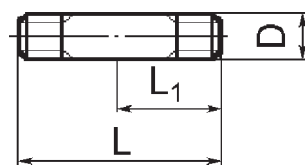


Dimension $D \times L \times L_1$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x35x23	980289		
M8x45x33	980336		
M8x65x53	981307		
M10x43x28	977297		
M10x50x35	977298		
M10x58x43	977299		

PS M-gänga
Rostfritt stål 2570-04

PS M-thread
Stainless steel 2570-04

STD drawing 1052691

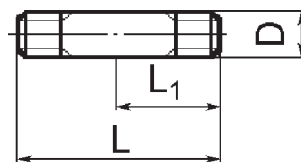


Dimension $D \times L \times L_1$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x55x43	977511		
M10x50x35	977581		
M10x75x55	980868		

PS M-gänga
Rostfritt stål 2332

PS M-thread
Stainless steel 2332

STD drawing 1052646

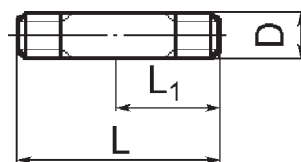


Dimension $D \times L \times L_1$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x40x28	949702		
M8x50x38	980765		

PS M-gänga
Nickel

PS M-thread
Nickel alloy

STD drawing 1054110

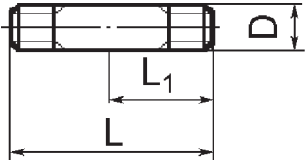


Dimension $D \times L \times L_1$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x40x28	1357769		

PS UNC-gänga
Rostfritt A2-80

PS UNC-thread
Stainless A2-80

STD drawing 1058115



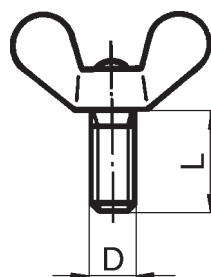
Dimension D × L × L ₁	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
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1/4UNCx122x109	945474		
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Vingskruv 4.6 M-gänga zib
Elförzinkade zink-järn, svartkromaterade

Wing screw 4.6 M-thread zib
Electro-zincplated zinc-iron, black chromated

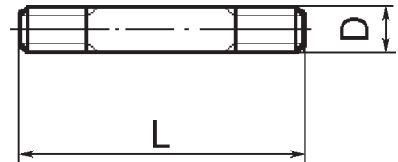
STD drawing 1053572



Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M6x16	965036	M10x25	965057
M8x20	965047	M10x40	965060
M8x30	965049	M10x60	965062

Reglerstänger 5.8 / 8.8 M-gänga zib
Elförzinkade zink-järn, svartkromaterade

Control rods 5.8 / 8.8 M-thread zib
Electro-zincplated zinc-iron, black chromated



STD drawing 1053267, 1053272 ¹⁾

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
M6x70	963832	M8x260	974902 ¹⁾
M6x85	974815 ¹⁾	M8x280	965931
M6x90	963835	M8x300	965932
M6x105	974819 ¹⁾	M8x300	974906 ¹⁾
M6x115	190547	M8x320	965934
M6x125	963840	M8x325	946178
M6x130	963841	M8x340	965936
M6x135	963842	M8x370	965938
M6x140	25417	M8x400	965941
M6x160	974830 ¹⁾	M8x430	965944
M6x150	963844	M10x250	966005
M6x180	974871 ¹⁾	M10x285	117922
M6x185	974872 ¹⁾		
M6x190	974873 ¹⁾		
M6x195	963850		
M6x210	963851		
M6x230	945588		
M6x240	974879 ¹⁾		
M6x270	945589		
M6x280	963854		
M6x290	974885 ¹⁾		
M6x300	117112		
M6x370	974932 ¹⁾		
M6x390	963860		
M6x410	963862		
M6x460	945592		
M6x500	963868		
M8x55	974850 ¹⁾		
M8x80	965903		
M8x90	974835 ¹⁾		
M8x95	965906		
M8x100	965907		
M8x100	974837 ¹⁾		
M8x120	974841 ¹⁾		
M8x130	965912		
M8x145	942566		
M8x150	965915		
M8x160	948477		
M8x170	965918		
M8x180	965920		
M8x200	965924		
M8x210	965925		
M8x220	965926		
M8x220	974896 ¹⁾		
M8x240	965928		
M8x250	974900 ¹⁾		
M8x260	948386		

1) Property class 8.8

Centrumskruv 10.9 M-gänga

Fosfaterade

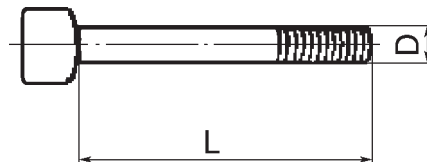
För bladfjädrar

Centre bolt 10.9 M-thread

Phosphated

For spring leaves

STD drawing 1691490



Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M12x80	948180		
M12x85	947767		
M12x100	963162		
M12x105	963163		
M12x110	963164		
M12x110	949179		
M12x115	945337		
M12x120	963165		
M12x120	949245		
M12x125	948003		
M12x125	963166		
M12x130	963167		
M12x135	945338		
M12x140	963168		
M12x140	1585205		
M12x150	963169		
M12x160	963170		
M12x160	1585260		
M12x170	963171		
M12x180	963172		
M12x190	963173		
M12x190	1587114		
M12x200	963174		
M12x210	963175		
M12x210	946935		
M12x220	963176		
M12x230	963177		
M12x240	963178		
M12x250	963179		
M12x250	947610		
M12x260	963180		
M12x270	963181		
M12x290	963183		
M12x310	963184		
M12x320	963185		

Fjäderkrampor M 10.9

Lackerade

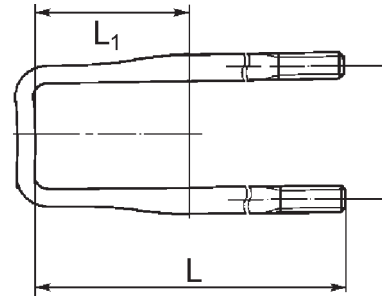
Stål

U-bolts M 10.9

Painted

Steel

STD drawing 1052742, [1058204](#)



Dimension d x L ₁ x L	Artikel nr. Part No.	Dimension d x L ₁ x L	Artikel nr. Part No.
M24x102x350	1590925	M24x102x470	1590933
M24x102x380	1590926	M24x102x500	1590934
M24x102x390	1590927	M24x102x510	1590956
M24x102x400	1590928	M24x102x510	983417
M24x102x420	1590929	M24x102x530	1590935
M24x102x430	1590930	M24x102x570	1590937
M24x102x450	1590931	M24x102x580	1594220
M24x102x460	1590932	M24x102x650	1678611
M24x102x460	983414	M24x102x730	1568792

Fjäderkrampor M 10.9

Lackerade

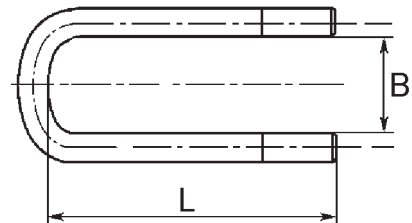
Stål

U-bolts M 10.9

Painted

Steel

STD drawing 1052789, [20442797](#)



Dimension d x B x L	Artikel nr. Part No.	Dimension d x B x L	Artikel nr. Part No.
M24x77x400	1628490	M24x91x375	3199053
M24x77x400	20442792	M24x91x375	20442794
M24x77x445	1626895	M24x91x390	1628337
M24x77x445	20442793	M24x91x420	1628108
M24x91x235	1590066	M24x91x420	20442795
M24x91x260	1609621	M24x102x360	1610371
M24x91x310	1585094	M24x102x380	1590944
M24x91x330	1585095	M24x102x390	1590945
M24x91x340	1078040	M24x102x400	1629404
M24x91x370	1585096	M24x102x410	1590946
		M24x102x410	20442796

Fjäderkrampor M 10.9

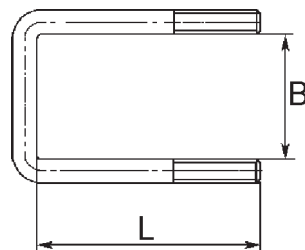
Lackerade

Stål, Grov stigning, Rullgängade

U-bolts M 10.9

Painted

Steel, Coarse pitch, Rolled thread



STD drawing 1053562, [20442791](#)

Dimension d x B x L	Artikel nr. Part No.
M20x102x185	1590938
M20x102x185	20442786
M20x102x210	1590939
M20x102x210	20442787
M20x102x235	1590940
M20x102x235	20442788
M20x102x260	1590941
M20x102x260	20442789
M20x102x285	1590942
M20x102x285	20442790

Dimension	Artikel nr. Part No.

MF-gänga, Sexkantsmuttrar
MF-thread, Hexagon nuts

Gänga D Thread D	M5	M6	M8	M10	M12	M14	M16
Stigning Pitch	0,5	0,75	1	1,25	1,25	1,5	1,5
s	8	10	13	17	19	22	24
e	9,2	11,5	15	19,6	21,9	25,4	27,7
H	4	5	6,5	8	10	11	13

Gänga D Thread D	M20	M24
Stigning Pitch	1,5	2
s	30	36
e	34,6	41,6
H	16	19

MF-gänga, Sexkantlåsmuttrar
MF-thread, Hexagon lock nuts

Gänga D Thread D	M6	M8	M10	M12	M14	M16	M18
Stigning Pitch	0,75	1	1 (1,25)	1,25	1,5	1,5	1,5
s	10	13	17	19	22	24	27
e	11,5	15	19,6	21,9	25,4	27,7	31,2
H	6,6	8,5	10	12	14	16	16

Gänga D Thread D	M20	M22
Stigning Pitch	1,5	1,5
s	30	32
e	34,6	36,9
H	18	20

M-gänga, Mutter M-grov**M-thread, Nuts M-large**

Gänga D Thread D	M3	M4	M5	M6	M7	M8	M10
Stigning Pitch	0,5	0,7	0,8	1	1	1,25	1,5
s	5,5	7	8	10	11	13	17 (16)
e	6,6	7,7	8,8	11,1	12,1	14,4	18,9
H	2,4	3,2	4 (4,7)	5 (5,2)	5,5 (6,5)	6,5 (6,8)	8 (8,4)

Gänga D Thread D	M12	M14	M16	M18	M20	M24
Stigning Pitch	1,75	2	2	2,5	2,5	3
s	19 (18)	22 (21)	24	27	30	36
e	21,1	24,5	26,8	29,6	33	39,6
H	10 (10,8)	11 (12,8)	13 (14,8)	15 (15,8)	16 (18)	19 (21,5)

M-gänga, Sexkantlåsmuttrar M-grov**M-thread, Hexagon lock nuts M-large**

Gänga D Thread D	M5	M6	M8	M10	M12	M14	M16
Stigning Pitch	0,8	1	1,25	1,5	1,75	2	2
s	8	10	13	16 (17)	18 (19)	21 (22)	24
e	8,8	11	14,4	17,8	20	23,4	26,8
H	5,1	6	8	10	12	14,1	16,4

Gänga D Thread D	M18	M20	M24
Stigning Pitch	2,5	2,5	3
s	27	30	36
e	29,9	33,3	39,6
H	16,2	18	21,6

Sexkantsmutter UNF-gänga
Hexagon nuts UNF-thread

Gänga D Thread D	1/4	5/16	3/8	7/16	1/2	9/16	5/8
Gängor/Tum Thread/Inch	28	24	24	20	20		18
s/Tum s/Inch	7/16	1/2	9/16	11/16	3/4		15/16
s/mm	11,1	12,7	14,3	17,5	19		23,8
e	12,8	14,7	16,5	20,2	22		27,7
H	5,6	6,7	8,3	9,5	11,1		13,9

Gänga D Thread D	3/4	7/8
Gängor/Tum Thread/Inch	16	14
s/Tum s/Inch	1 1/8	1 5/16
s/mm	28,6	33,3
e	33	38,5
H	16,3	19,1

Sexkantsmutter UNC-gänga
Hexagon nuts UNC-thread

Gänga D Thread D	1/4	5/16	3/8	7/16	1/2	9/16	5/8
Gängor/Tum Thread/Inch	20	18	16	14	13	12	11
s/Tum s/Inch	7/16	1/2	9/16	11/16	3/4	7/8	1 ^{5/16}
s/mm	11,1	12,7	14,3	17,5	19	22,2	23,8
e	12,8	14,7	16,5	20,2	22	25,7	27,7
H	5,6	6,7	8,3	9,5	11,1	12,3	13,9

Gänga D Thread D	3/4	7/8	1
Gängor/Tum Thread/Inch	10	9	8
s/Tum s/Inch	1 ^{1/8}	1 ^{5/16}	1 ^{1/2}
s/mm	28,6	33,3	38,1
e	33	38,5	44
H	16,3	19,1	21,8

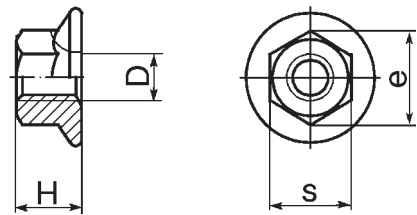
M6MF 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

M6MF 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1052339



Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
M5x5	965483	M12x12	971096
M6x6	945407	M14x14	971097
M8x8	945408	M16x16	966818
M10x10	971095	M20x20	975142

M6MF 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

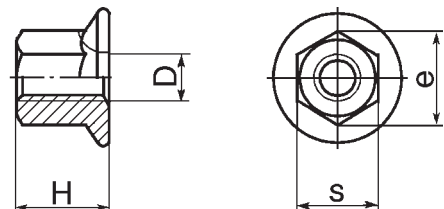
Höga och med urtag för ökad klämlängd

M6MF 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

High and with recess for increased clamping length

STD drawing 1052663



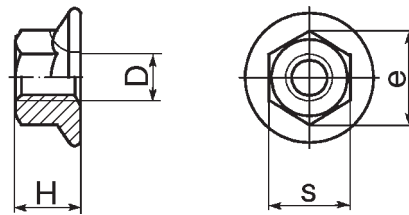
Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
M12x19,8	979230		
M14x22,9	979231		

M6MF 8 M-gänga zib**Elförzinkade zink-järn, svartkromaterade**

Vänstergängade

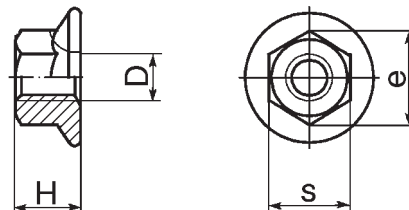
M6MF 8 M-thread zib**Electro-zincplated zinc-iron, black chromated**

Left handed

STD drawing 1052581**Dimension
D × H****Artikel nr.
Part No.**

M5x5LH

969355

Dimension**Artikel nr.
Part No.****M6MF 10 M-gänga****Lackerade, metallgrå****M6MF 10 M-thread****Painted, metallic grey****STD drawing 1052597****Dimension
D × H****Artikel nr.
Part No.**

M12x12

979013

M14x14

979014

M16x16

979015

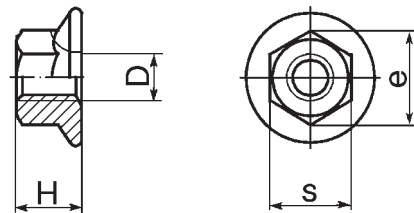
Dimension**Artikel nr.
Part No.**

M6MF 10 M-gänga
Elförzinkad

Stål, provlast 245 kN min.

M6MF 10 M-thread
Electro-zincplated

Steel, proof load 245 kN min.

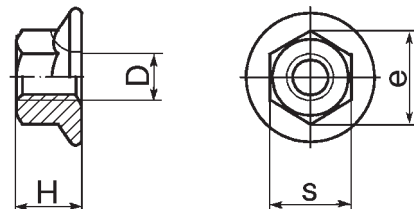


STD drawing 948502

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x20	948902		

M6MF 12 M-gänga fos
Fosfaterade

M6MF 12 M-thread fos
Phosphated



STD drawing 1577510

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M18x20	1577510		

M6MF 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

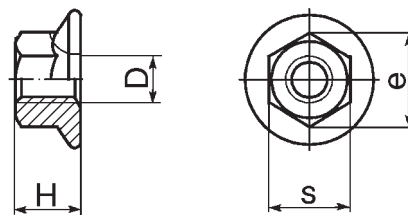
Flänslåsmutter, helmetallisk

M6MF 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Flange lock nut, all metal type

STD drawing 1052340



Dimension
D × H

Artikel nr.
Part No.

M5x5 949874
M6x6 949278
M8x8 948645

Dimension
D × H

Artikel nr.
Part No.

M10x10 971098
M12x12 971099
M14x14 971100

M6MF 8 M-gänga fos

Fosfaterade

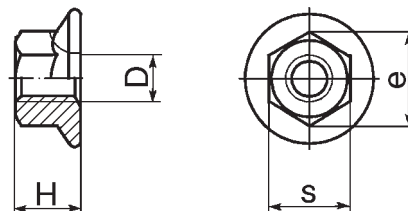
Flänslåsmutter

M6MF 8 M-thread fos

Phosphated

Flange lock nut

STD drawing 1053522



Dimension
D × H

Artikel nr.
Part No.

M20x18 947855

Dimension

Artikel nr.
Part No.

M6MF 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

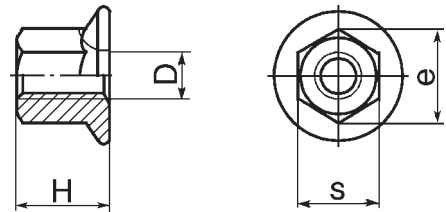
Flänslåsmutter, helmetalliska, höga och med urtag för ökad klämlängd

M6MF 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Flange lock nut, all metal type, high and with recess for increased clamping length

STD drawing 1052558



Dimension
D x H

Artikel nr.
Part No.

M10x16,4

969322

Dimension

Artikel nr.
Part No.

M6MF 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

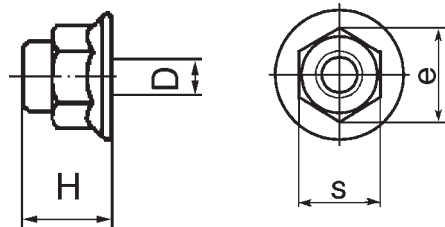
Flänslåsmutter med plastinsats

M6MF 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Flange lock nut with nylon insert

STD drawing 1052638, 1052131 ¹⁾



Dimension
D x H

Artikel nr.
Part No.

M12x16,1

977938

M14x18,2

977939

M16x20,3

946673 ¹⁾

Dimension

Artikel nr.
Part No.

M6MF 10 M-gänga fos

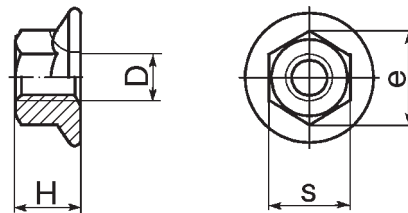
Fosfaterade

Flänslåsmutter, helmetallisk

M6MF 10 M-thread fos

Phosphated

Flange lock nut, all metal type



STD drawing 1052591

Dimension
D × H

Artikel nr.
Part No.

M10x11,4

969316

M12x13,8

969317

M14x15,9

969306

M16x18,3

969318

Dimension

Artikel nr.
Part No.

M6MF 10 M-gänga

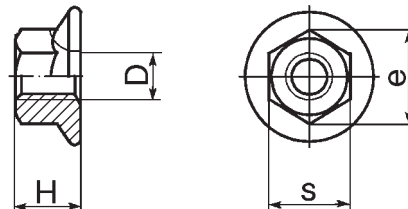
Lackerade, metallgrå

Flänslåsmutter, helmetallisk

M6MF 10 M-thread

Painted, metallic grey

Flange lock nut, all metal type



STD drawing 1053759

Dimension
D × H

Artikel nr.
Part No.

M12x12

981521

M14x14

981947

M16x16

981948

Dimension

Artikel nr.
Part No.

M6MF 10 M-gänga fos

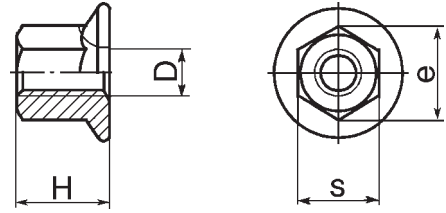
Fosfaterade

Flänslåsmutter, helmetalliska, höga och med urtag för ökad klämlängd

M6MF 10 M-thread fos

Phosphated

Flange lock nut, all metal type, high and with recess for increased clamping length



STD drawing 1052779

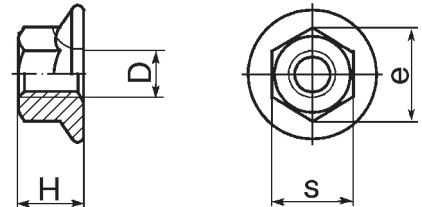
Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M14x19,8	981040		

U6MF 8 UNC-gänga

Elförzinkade zink-järn, gulkromaterade

U6MF 8 UNC-thread

Electro-zincplated zinc-iron, yellow chromated



STD drawing 1057707

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
7/16UNCx10,5	946175		

M6MF M-gänga A2

Rostfri

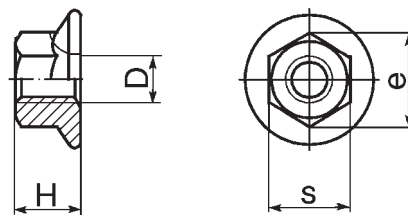
Hållfasthetsklass A2-80

M6MF M-thread A2

Stainless

Property class A2-80

STD drawing 1053294



Dimension
D × H

Artikel nr.
Part No.

M8x8
M10x10

969391
969392

Dimension

Artikel nr.
Part No.

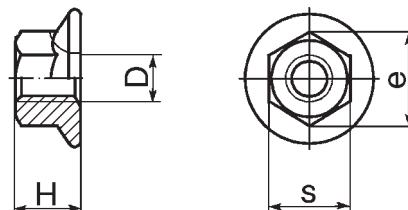
U6MF 8 UNC-gänga

Rostfritt stål

U6MF 8 UNC-thread

Stainless steel

STD drawing 942299



Dimension
D × H

Artikel nr.
Part No.

3/8UNCx10

942299

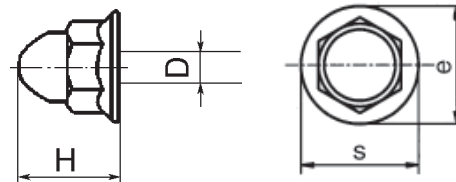
Dimension

Artikel nr.
Part No.

Flänshattmutter 6 M-gänga fzb
Elförzinknade , blankkromaterade

Cap flange nuts 6 M-thread fzb
Electro zincplated, bright chromated

STD drawing 1052582, 1052583 ¹⁾

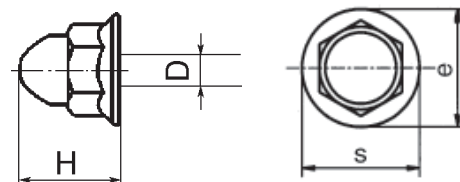


Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x12	948685		
M10x18,35	941696 ¹⁾		

Flänshattmutter 8 M-gänga fzb
Elförzinknade , blankkromaterade

Cap flange nuts 8 M-thread fzb
Electro zincplated, bright chromated

STD drawing 1053556



Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x12	968458		

M6M 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

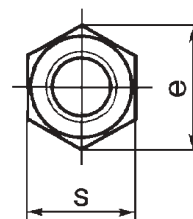
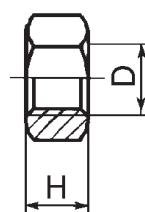
Belagda med skyddsvax

M6M 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Coated with sealer

STD drawing 1052552



Dimension
D × H

Artikel nr.
Part No.

M3x2,4 955778
M4x3,2 955779
M5x4,7 955780
M6x5,2 955781
M8x6,8 955782

Dimension

Artikel nr.
Part No.

M10x8,4 971071
M12x10,8 971072
M14x12,8 971073
M16x14,8 955785
M24x21,5 955787

M6M 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

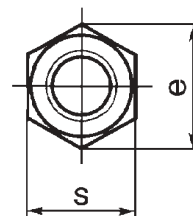
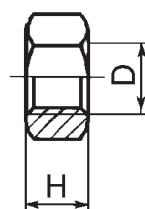
Belagda med skyddsvax, Speciella gängor

M6M 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Coated with sealer, Special threads

STD drawing 1053344



Dimension
D × H

Artikel nr.
Part No.

M3,5x3,125 150205
M8LHx6,68 949847
M10x1x8,18 955801
M12x1,5x10,18 955803

Dimension
D × H

Artikel nr.
Part No.

M14LHx11,215 959758
M18x15,215 955806
M18x16,215 10479

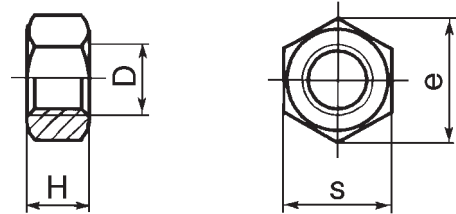
M6M 8 MF-gänga zib

Elförzinkade zink-järn, svartkromaterade

M6M 8 MF-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1053073



Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
M5x0,5x4	955789	M14x1,5x11	955804
M8x1x6,5	955800	M16x1,5x13	955805
M10x1,25x8	963915	M20x1,5x16	955807
M12x1,25x10	955802	M24x2x19	955808

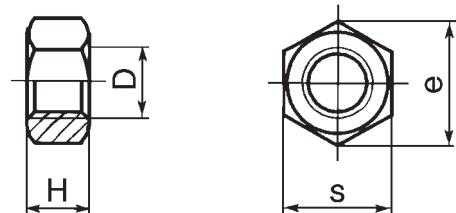
M6M 8 MF-gänga

Obehandlad

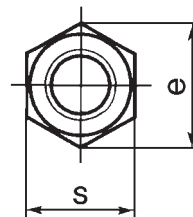
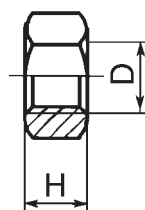
M6M 8 MF-thread

Untreated

STD drawing 1058113



Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x1,5x16	951207		

M6M 8 M-gänga**Förblyad****M6M 8 M-thread****Lead coated****STD drawing 1052573****Dimension
D × H****Artikel nr.
Part No.**

M6x6,68

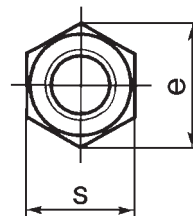
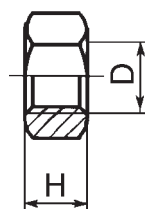
948794

Dimension**Artikel nr.
Part No.****M6M 8 M-gänga zib****Elförzinkade zink-järn, svartkromaterade**

Vänstergängade

M6M 8 M-thread zib**Electro-zincplated zinc-iron, black chromated**

Left hand threaded

STD drawing 1052571**Dimension
D × H****Artikel nr.
Part No.**

M6LHx5,2

980723

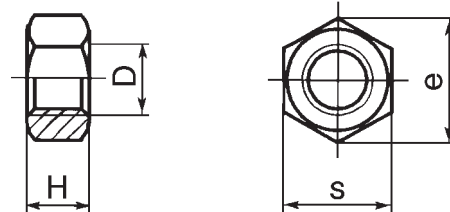
Dimension**Artikel nr.
Part No.**

M6M 10 MF-gänga zib**Elförzinkade zink-järn, svartkromaterade**

Höga

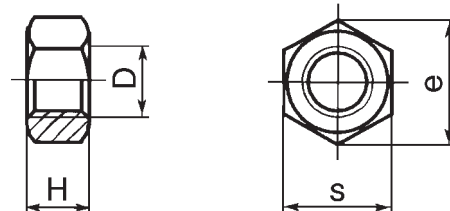
M6M 10 MF-thread zib**Electro-zincplated zinc-iron, black chromated**

High

STD drawing 1054084**Dimension
D x H****Artikel nr.
Part No.**

M24x2x36

955817

Dimension**Artikel nr.
Part No.****M6M 10 M-gänga fos****Fosfaterade****M6M 10 M-thread fos****Phosphated****STD drawing 1052551****Dimension
D x H****Artikel nr.
Part No.**

M10x8,4

971068

M12x10,8

971069

M20x18

979022 *

M24x21,5

961997

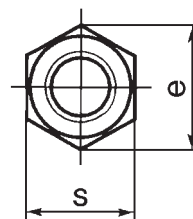
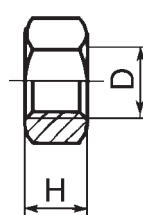
Dimension**Artikel nr.
Part No.**

* Drawing/Ritning 1052462, page/sid 134

M6M 10 M-gänga
Lackerade, metallgrå

M6M 10 M-thread
Painted, metallic grey

STD drawing 1052462



Dimension
D × H

Artikel nr.
Part No.

M14x12,8 979020
M16x14,8 979021
M20x18 979022
M24x21,5 980521

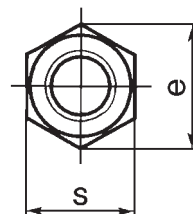
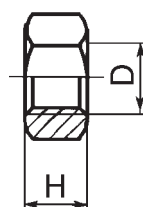
Dimension

Artikel nr.
Part No.

M6M MF-gänga
Mässing, förkromade

M6M MF-thread
Brass, chromium plated

STD drawing 1053444



Dimension
D × H

Artikel nr.
Part No.

M16x1x5,15 190734

Dimension

Artikel nr.
Part No.

Låsmutter 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterade

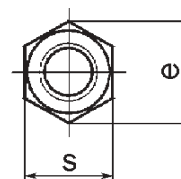
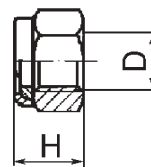
Nylonring

Lock nuts 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

Nylon insert

STD drawing 1052555



Dimension D × H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M4×6	963103	M16×19,1	963110
M5×6,8	963104	M18×18,5	943674 *
M6×8	963105	M20×22,8	963111
M8×9,5	963106	M24×27,1	963096
M10×11,9	971089	M30×30	944689
M12×14,9	971090		

* Drawing/Ritning 1053359, page/sid 136

Låsmutter 8 MF-gänga zib

Elförzinkad zink-järn, svartkromaterad

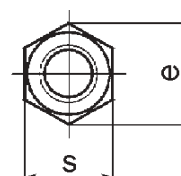
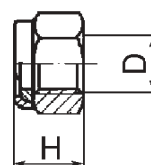
Nylonring

Lock nuts 8 MF-thread zib

Electro-zincplated zinc-iron, black chromated

Nylon insert

STD drawing 1052150



Dimension D × H	Artikel nr. Part No.	Dimension D × H	Artikel nr. Part No.
M8x1x9,5	963117	M16x1,5x18	963121
M12x1,25x14	963119	M24x2x25	963123

Låsmutter 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterad

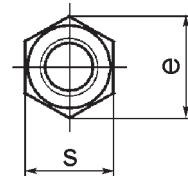
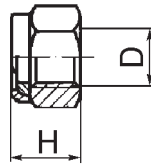
Med låsring av amidplast

Lock nuts 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

With lock ring of polyamide

STD drawing 1053359



Dimension
D x H

Artikel nr.
Part No.

M3x4 966650
M18x1,5x19,7 942286
M18x18,5 943674

Dimension

Artikel nr.
Part No.

Låsmutter 8 M-gänga zib

Elförzinkade zink-järn, svartkromaterad

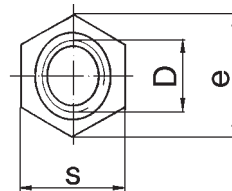
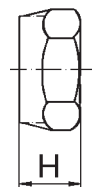
Helmetallisk

Lock nuts 8 M-thread zib

Electro-zincplated zinc-iron, black chromated

All metal type

STD drawing 1052149



Dimension
D x H

Artikel nr.
Part No.

M6x6 946035
M10x10 971083
M12x12 971084
M14x14,1 971085
M16x16,4 945884

Dimension

Artikel nr.
Part No.

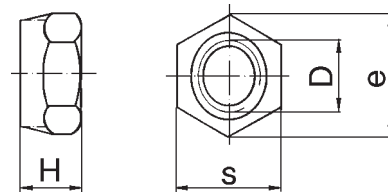
Låsmutter 8 MF-gänga zib
Elförzinkade zink-järn, svartkromaterad

Helmetallisk

Lock nuts 8 MF-thread zib
Electro-zincplated zinc-iron, black chromated

All metal type

STD drawing 1052151



Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M8x1x8,5	946344		
M12x1,25x12	946109		
M14x1,5x14	945542		
M16x1,5x16	945988		

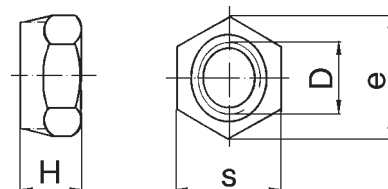
Låsmutter 8 MF-gänga zib
Elförzinkade zink-järn, svartkromaterad

Helmetallisk, speciella nyckelvidder

Lock nuts 8 MF-thread zib
Electro-zincplated zinc-iron, black chromated

All metal type, special widths across flats

STD drawing 1052587



Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M10x1x10	946345		

Låsmutter 8 MF-gänga fos

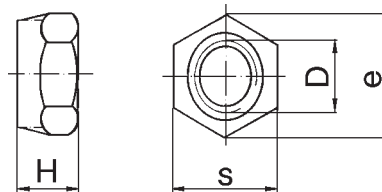
Fosfaterade

Helmetallisk, speciella nyckelvidder och dimensioner

Lock nuts 8 MF-thread fos

Phosphated

All metal type, special widths across flats and dimensions



STD drawing 1053331

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x1,5x13,4	981586		

Låsmutter 10 M-gänga fos

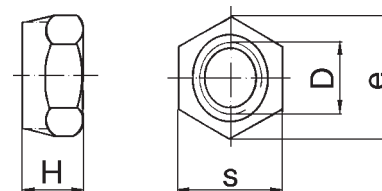
Fosfaterade

Helmetallisk

Lock nuts 10 M-thread fos

Phosphated

All metal type



STD drawing 1052556

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6x6	948569		
M8x8	948570		
M10x10	971086		
M14x14,1	971088		

Låsmutter 10 M-gänga fos

Fosfaterade

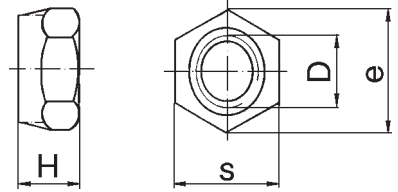
Helmetallisk, speciella nyckelvidder och dimensioner

Lock nuts 10 M-thread fos

Phosphated

All metal type, special widths across flats and dimensions

STD drawing 1052588



Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M18x16,2	948834		
M20x18	948835		
M24x21,6	948836		

Låsmutter 10 MF-gänga fos

Fosfaterade

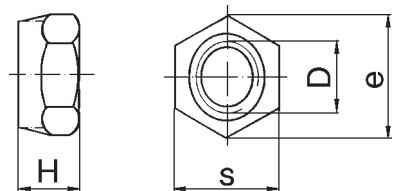
Helmetallisk

Lock nuts 10 MF-thread fos

Phosphated

All metal type

STD drawing 1054199, 1054086 ¹⁾



Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
M10x1x10	946350	M18x1,5x16,2	947140
M12x1,25x10	963923 ¹⁾	M20x1,5x18	948332
M14x1,5x14	946008 ¹⁾	M22x1,5x20	948971
M16x1,5x14,4	946352 ¹⁾		

U6M 8 UNC-gänga

Elförzinkade zink-järn, svartkromaterade

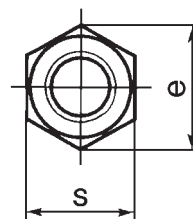
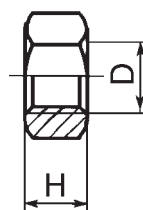
Grov stigning

U6M 8 UNC-thread

Electro-zincplated zinc-iron, black chromated

Coarse pitch

STD drawing 1053635



Dimension
D x H

Artikel nr.
Part No.

NR6UNCx2,7	940119
NR8UNCx3,1	940179
NR10UNCx3,1	940092
NR12UNCx3,9	940145
1/4UNCx5,6	955825
5/16UNCx6,7	955826

Dimension
D x H

Artikel nr.
Part No.

3/8UNCx8,3	955827
7/16UNCx9,5	940157
1/2UNCx11,1	940176
9/16UNCx12,3	955828
5/8UNCx13,9	955829
3/4UNCx16,3	955830

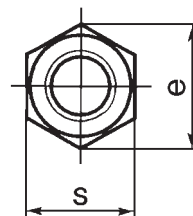
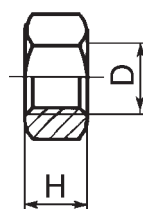
U6M 10 UNC-gänga

Obehandlad

U6M 10 UNC-thread

Untreated

STD drawing 1053640



Dimension
D x H

Artikel nr.
Part No.

3/8UNCx8,3	961122
5/8UNCx13,9	961126

Dimension

Artikel nr.
Part No.

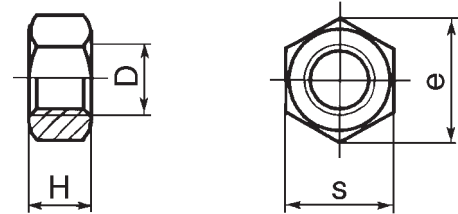
U6M 8 UNF-gänga zib

Elförzinkade zink-järn, svartkromaterade

U6M 8 UNF-thread zib

Electro-zincplated zinc-iron, black chromated

STD drawing 1053407



Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
NR10UNFx3,1	955844	1/2UNFx11,1	955850
1/4UNFx5,6	955846	9/16UNFx12,3	955851
5/16UNFx6,7	955847	5/8UNFx13,9	955852
3/8UNFx8,3	955848	3/4UNFx16,3	955853
7/16UNFx9,5	955849		

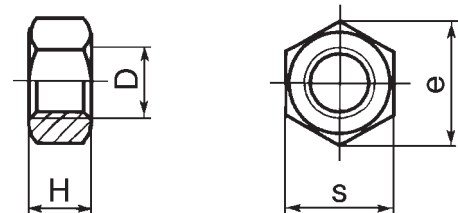
U6M 8 UNF-gänga zib

Elförzinkade

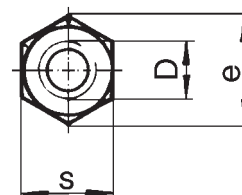
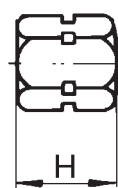
U6M 8 UNF-thread zib

Electro-zincplated

STD drawing 1053641

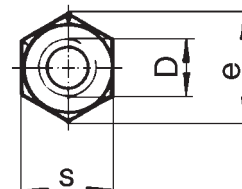


Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
1/4UNFx4	955856	1/2UNFx7,9	940154
5/16UNFx4,8	955857	5/8UNFx9,5	940152
3/8UNFx5,5	955858	3/4UNFx10,7	955860
7/16UNFx6,4	940153		

UH6M 8 UNF-gänga**Fosfaterade****UH6M 8 UNF-thread****Phosphated****STD 17142,36****Dimension
D × H****Artikel nr.
Part No.****Dimension****Artikel nr.
Part No.**

3/4UNFx20

192413

UL6M 8 UNF-gänga**Stål****UL6M 8 UNF-thread****Steel****STD drawing 940175****Dimension
D × H****Artikel nr.
Part No.****Dimension****Artikel nr.
Part No.**

3/8UNFx5,8

940175

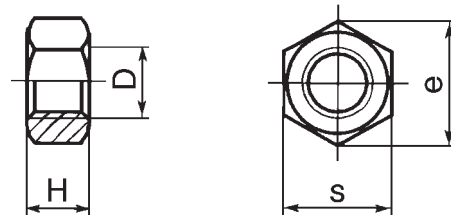
U6M 8 UNF-gänga
Obehandlad

Anoljade

U6M 8 UNF-thread
Untreated

Oiled

STD drawing 1054085



Dimension
D x H

Artikel nr.
Part No.

5/16UNFx6,7

921781

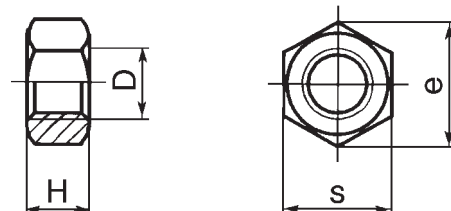
Dimension

Artikel nr.
Part No.

M6M 4 M-gänga zib
Elförzinkade

M6M 4 M-thread zib
Electro-zincplated

STD 17142,13



Dimension
D x H

Artikel nr.
Part No.

M10x5

973267

M10x37

969990

Dimension

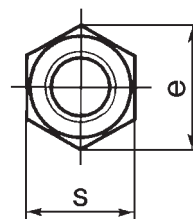
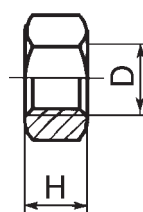
Artikel nr.
Part No.

M6M 5 M-gänga zib**Elförzinkade zink-järn, svartkromaterade**

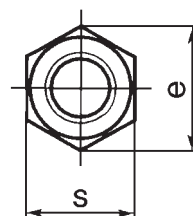
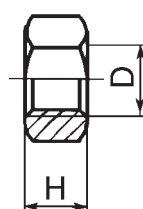
Låga

M6M 5 M-thread zib**Electro-zincplated zinc-iron, black chromated**

Thin

STD drawing 1052607**Dimension
D × H****Artikel nr.
Part No.**

M10x5 971080
M12x6 971081
M14x7 971082
M16x8 955793
M20x10 955794
M24x12 955795

Dimension**Artikel nr.
Part No.****M6M 5 M-gänga zib****Elförzinkade, gulkromaterade****M6M 5 M-thread zib****Electro-zincplated, yellow chromated****STD drawing 1054192, 1057703 ¹⁾****Dimension
D × H****Artikel nr.
Part No.**

M10x1x6,15 940140
M10x1x6,15 946911
M12x1,75x8,18 955792 ¹⁾
M14x1,5x7 973268

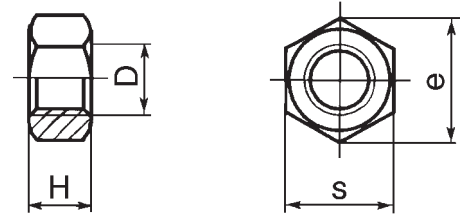
Dimension**Artikel nr.
Part No.**

M6M 6 MF-gänga zib**Elförzinkade zink-järn, svartkromaterade**

Låga

M6M 6 MF-thread zib**Electro-zincplated zinc-iron, black chromated**

Thin

STD drawing 1054102**Dimension
D x H****Artikel nr.
Part No.**

M12x1,25x8

955818

M20x1,5x12

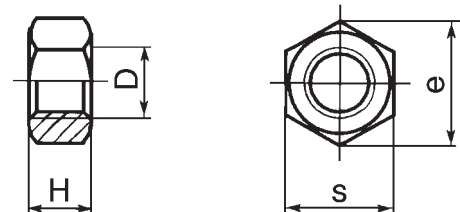
955823

Dimension**Artikel nr.
Part No.****U6M 4 UNC-gänga****Elförzinkade**

Låga

U6M 4 UNC-thread**Electro-zincplated**

Thin

STD drawing 1053638**Dimension
D x H****Artikel nr.
Part No.**

5/16UNCx4,8

955834

3/8UNCx5,6

955835

1/2UNCx7,9

940118

5/8UNCx9,5

955838

3/4UNCx10,7

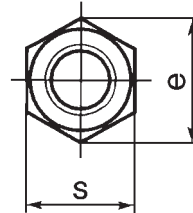
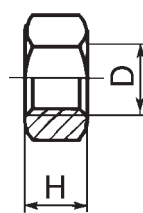
955839

Dimension**Artikel nr.
Part No.**

M6M HB 175-300 M-gänga zib
Elförzinkade zink-järn, svartkromaterade

M6M HB 175-300 M-thread zib
Electro-zincplated zinc-iron, black chromated

STD drawing 1052091



Dimension D x H	Artikel nr. Part No.
M8x5	947941
M18x1,5x11,215	955822
M20x1x6,15	947363
M20x1,5x8,18	948371

Dimension	Artikel nr. Part No.
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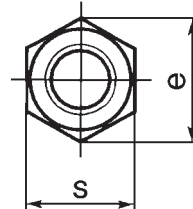
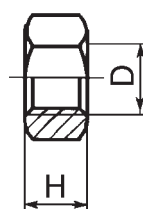
M6M HB 175-300 M-gänga
Obehandlade

Anoljade

M6M HB 175-300 M-thread
Untreated

Oiled

STD drawing 1054193

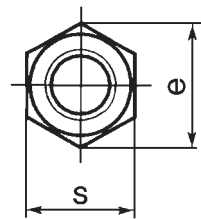
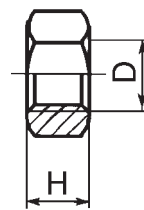


Dimension D x H	Artikel nr. Part No.
M22x1,5x10,18	19656
M30x1,5x10,18	10761
M30x1,5x15,215	948532

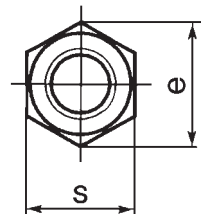
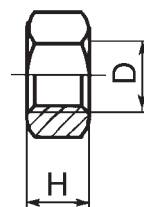
Dimension	Artikel nr. Part No.
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R-M6M M-gänga A2-80**Rostfri****R-M6M M-thread A2-80****Stainless**

STD drawing 1053336

**Dimension
D x H****Artikel nr.
Part No.**M6x5,2
M8x6,8940197
946330**Dimension****Artikel nr.
Part No.****R-M6M M-gänga A2-70****Rostfri****R-M6M M-thread A2-70****Stainless**

STD drawing 1057704

**Dimension
D x H****Artikel nr.
Part No.**

M12x1x4,15

947842

Dimension**Artikel nr.
Part No.**

R-U6M UNC-gänga A2

Rostfri

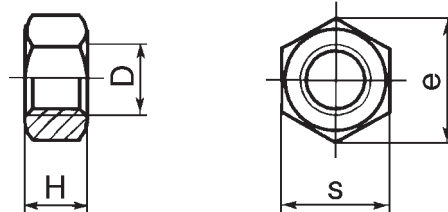
Grov stigning

R-U6M UNC-thread A2

Stainless

Coarse pitch

STD drawing 1057705



Dimension
D × H

Artikel nr.
Part No.

5/16UNCx6,7
3/8UNCx8,3

940122
191894

Dimension

Artikel nr.
Part No.

M6M M-gänga

Mässing

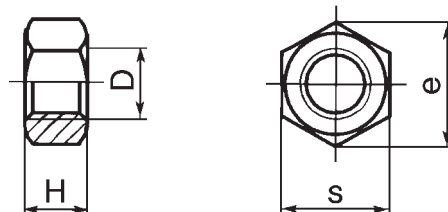
Obehandlad

M6M M-thread

Brass

Untreated

STD drawing 1054194



Dimension
D × H

Artikel nr.
Part No.

M6x3,125
M8x3,95
M8x4,75
M8x8,18

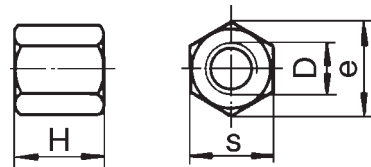
966645
966647
966648
17624

Dimension
D × H

Artikel nr.
Part No.

M10x15,215
M12x18,215
M12x1x3,65

10496
968128
942914

UH6M UNC-gänga**Mässing****UH6M UNC-thread****Brass****STD 17142,35****Dimension**
D × H**Artikel nr.**
Part No.

3/8UNCx14

150177

1/2UNCx19

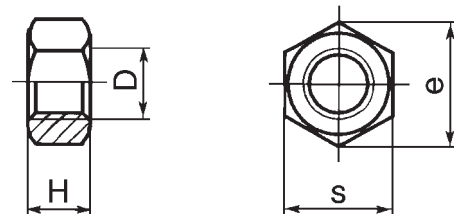
191987

Dimension**Artikel nr.**
Part No.**U6M UN-gänga zib****Elförzinkade, gulkromaterade**

För rörkopplingar

U6M UN-thread zib**Electro-zincplated, yellow chromated**

For tube fittings

**STD drawing 1053205****Dimension**
D × H**Artikel nr.**
Part No.

7/16-24UNSx5

192272

17/32-24UNSx8

338888

11/16-20UNx6

350039

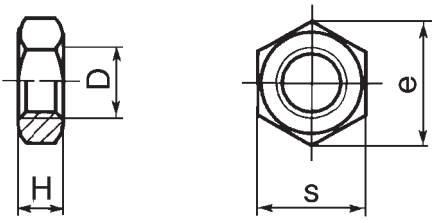
Dimension
D × H**Artikel nr.**
Part No.

13/16-18UNSx10 944106

1-16UNx10 192185

UL6M UN-gänga
Stål
UL6M UN-thread
Steel

STD drawing 1053504



Dimension
D × H

Artikel nr.
Part No.

1 3/4-12UNx15

943805

Dimension

Artikel nr.
Part No.

Låsmutter UNC-gänga

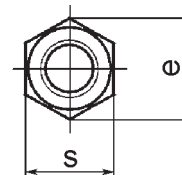
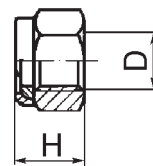
Elförzinkad, gulkromaterad

Nylonring, låga

Lock nuts UNC-thread

Electro-zincplated, yellow chromated

Nylon insert, thin



STD drawing 1054112, STD 7144,3 ¹⁾

Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
NR10UNCx6,8	951672 ¹⁾	1/2UNCx15,8	950356 ¹⁾
1/4UNCx8,9	950352 ¹⁾	9/16UNCx18,3	950357 ¹⁾
5/16UNCx11,6	950353 ¹⁾	5/8UNCx15,1	950368
3/8UNCx12,8	950354 ¹⁾	3/4UNCx22,3	950359 ¹⁾
7/16UNCx14,3	950355 ¹⁾	1UNCx28,1	950361 ¹⁾
1/2UNCx12,6	950366		

Låsmutter 8 UNF-gänga zib

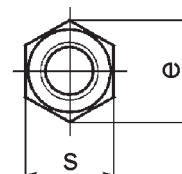
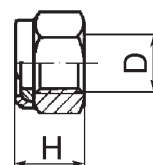
Elförzinkad zink-järn, svartkromaterad

Nylonring

Lock nuts 8 UNF-thread zib

Electro-zincplated zinc-iron, black chromated

Nylon insert



STD drawing 1052557, STD 7144,41 ¹⁾

Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
1/4UNFx7,7	950382 ¹⁾	1/2UNFx12,6	950386 ¹⁾
1/4UNFx8,9	950372	1/2UNFx15,8	950376
5/16UNFx10,0	950383 ¹⁾	9/16UNFx18,3	950377
5/16UNFx11,6	950373	5/8UNFx15,1	950388 ¹⁾
3/8UNFx10,4	950384 ¹⁾	5/8UNFx19,4	950378
3/8UNFx12,8	950374	3/4UNFx22,3	950379
7/16UNFx14,3	950375		

Låsmutter 8 UNC-gänga zib

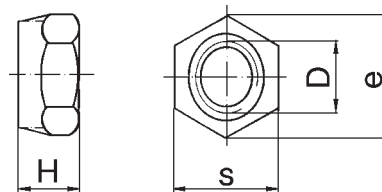
Elförzinkade, gulkromaterad

Helmetallisk

Lock nuts 8 UNC-thread zib

Electro-zincplated, yellow chromated

All metal type



STD drawing 1054111

Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
1/4UNCx6,6	944579	7/16UNCx11,1	949499
5/16UNCx8	945467	1/2UNCx13	946637
3/8UNCx9,6	946420	5/8UNCx16,4	949399

Låsmutter 10 UNF-gänga fos

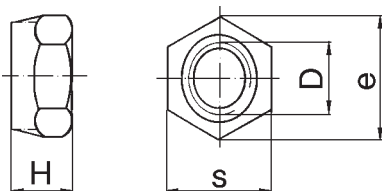
Fosfaterade

Helmetallisk

Lock nuts 10 UNF-thread fos

Phosphated

All metal type



STD drawing 1054113

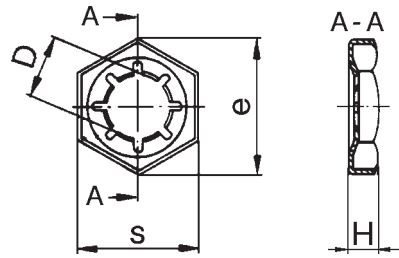
Dimension D x H	Artikel nr. Part No.	Dimension D x H	Artikel nr. Part No.
5/16UNFx8	946149	1/2UNFx13	946007
3/8UNFx9,6	945676	9/16UNFx14,3	946756
7/16UNFx11,1	945989		

Låsmutter, kontramutter zib**Elförzinkade zink-järn, svartkromaterade**

Fjäderstål

Lock nuts, jam nuts zib**Electro-zincplated zinc-iron, black
chromated**

Spring steel

STD drawing 1052362

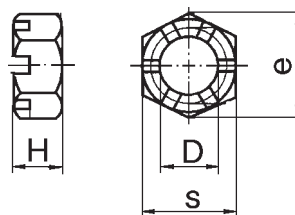
Dimension D × H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x6,5	1582618		
M24x2x7,5	947179		

MKM 4 MF-gänga zib
Elförzinkade, gulkromaterade

Speciella dimensioner

MKM 4 MF-thread zib
Electro-zincplated, yellow chromated

Special dimensions



STD drawing 1058179

Dimension
D x H

Artikel nr.
Part No.

Dimension

Artikel nr.
Part No.

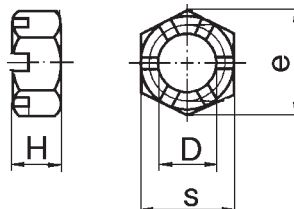
M33x2x26

947117

MKM 4 MF-gänga
Obehandlad

MKM 4 MF-thread
Untreated

STD 17143,105, STD drawing 191055 ¹⁾



Dimension
D x H

Artikel nr.
Part No.

Dimension

Artikel nr.
Part No.

M14x1,5x12

191055 ¹⁾

M16x1,5x14

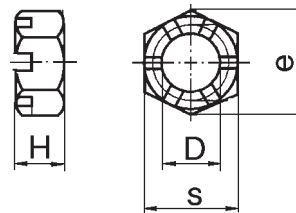
10504

MKM MF-gänga zib
Elförzinkade, gulkromaterade

Speciella dimensioner

MKM MF-thread zib
Electro-zincplated, yellow chromated

Special dimensions



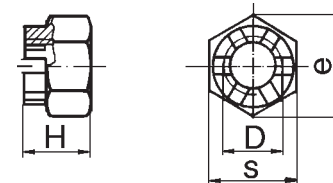
STD drawing 1054198

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x1,5x18	10506 ¹⁾		
M24x1,5x15	191029 ²⁾		
M24x1,5x22	10507 ¹⁾		
M30x1,5x24	969148 ³⁾		
1) Hållfasthetsklass/Property class 6 2) Hållfasthetsklass/Property class 150 kN 3) Hållfasthetsklass/Property class 4			

MKM MF-gänga
Obehandlad

MKM MF-thread
Untreated

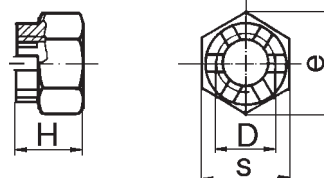
STD drawing 1058016



Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M27x1,5x22	948890 ¹⁾		
M30x1,5x28	966873 ²⁾		
1) Hållfasthetsklass/Property class 6 2) Hållfasthetsklass/Property class 4			

MHKM 8 MF-gänga zib
Elförzinkade

MHKM 8 MF-thread zib
Electro-zincplated

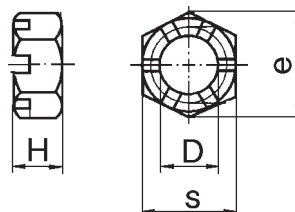


STD 7143,16

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M12x15	961294		

UKM 6 UNF-gänga
Elförzinkade

UKM 6 UNF-thread
Electro-zincplated



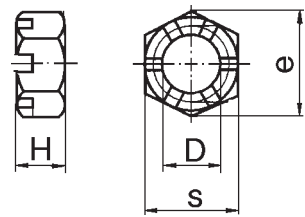
STD 17143,245

Dimension D x H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3/4UNFx16,3	955887		
5/8UNFx13,9	955886		

UKM 6 UNF-gänga
Obehandlad

UKM 6 UNF-thread
Untreated

STD 17143,135, 17143,24 ¹⁾



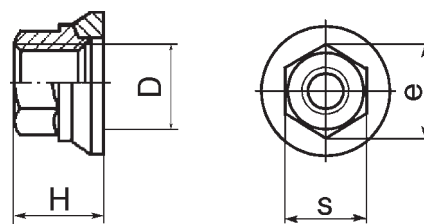
Dimension D x H	Artikel nr. Part No.
3/4-12x19	153020
3/8UNFx8,3	951774 ¹⁾

Dimension	Artikel nr. Part No.
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Hjulmutter 10 MF-gänga fos
Fosfaterade

Wheel nut 10 MF-thread fos
Phosphated

STD drawing 1058128

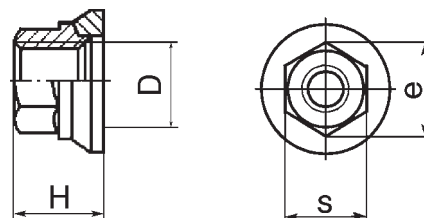


Dimension D × H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M18x25	947970		
M20x27	947971		
M22x27	947972		

Hjulmutter 10 MF-gänga
Lackerade metallgrå

Wheel nut 10 MF-thread
Painted metallic grey

STD drawing 1054060

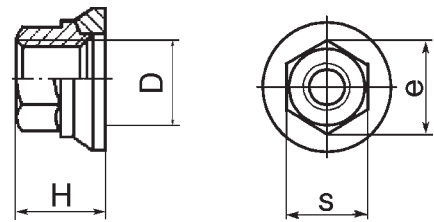


Dimension D × H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M20x27	982270		

Hjulmutter UNF-gänga fos
Fosfaterade

Wheel nut UNF-thread fos
Phosphated

STD drawing 1052697



Dimension
D x H

Artikel nr.
Part No.

7/8UNFx34

943491

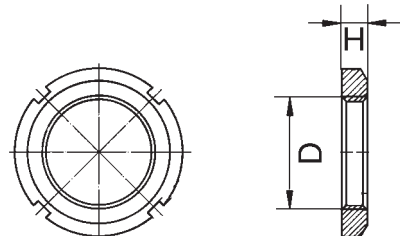
Dimension

Artikel nr.
Part No.

Rundmutter
Med axiella spår

Round nuts
With axial grooves

STD 17146,105



Dimension
D x H

Artikel nr.
Part No.

M20x1x6

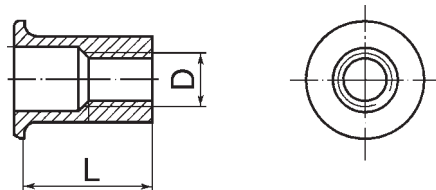
968026

Dimension

Artikel nr.
Part No.

Nitmutter 5 M-gänga
Elförzinkade, gulkromaterade

Rivet nuts 5 M-thread
Electro-zincplated, yellow chromated



STD drawing 1052565, 1052345 ¹⁾

Dimension D x L	Artikel nr. Part No.
M5x11	947694
M6x13,5	949377
M6x14	979130 ¹⁾
M8x14,5	944947

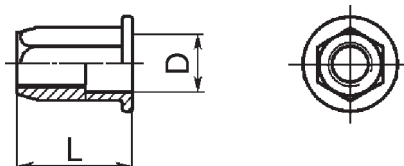
Dimension D x L	Artikel nr. Part No.
M8x16	979132 ¹⁾
M8x17,5	947607
M8x18,5	979133 ¹⁾
M10x16	973920

Nitmutter 5 M-gänga
Elförzinkade, gulkromaterade

Sexkantiga, Fasade

Rivet nuts 5 M-thread
Electro-zincplated, yellow chromated

Hexagonal, Chamfered



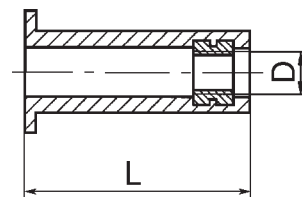
STD drawing 1052566

Dimension D x L	Artikel nr. Part No.
M8x16,5	979151

Dimension	Artikel nr. Part No.
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Expandermutter M-gänga
Kloroprengummi/Mässing

Expanding nut M-thread
Chloroprene rubber/Brass

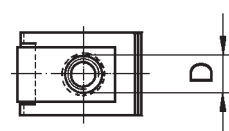


STD drawing 1052599

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M5x24,5	981917		
M5x26,7	980593		
M6x21	930760		
M6x26,7	930761		

Fjädermutter M-gänga
Stål, ytbehandling Y 900

Spring nuts M-thread
Steel, surface coating Y 900



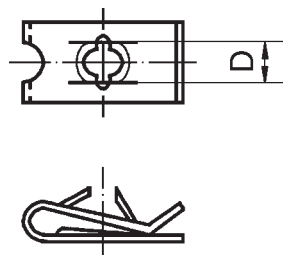
STD drawing 1052370

Dimension D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M5x2	949937		
M6x2	949921		
M8x2	949867		

Fjädermutter ST-gänga
Fjäderstål, ytbehandling Y 900

Spring nuts ST-thread
Spring steel, surface coating Y 900

STD drawing 1052348, 1053449 ¹⁾

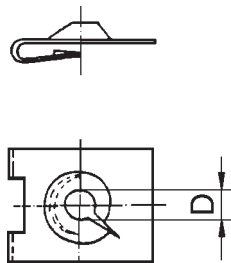


Dimension D x T	Artikel nr. Part No.	Dimension D x T	Artikel nr. Part No.
ST3,5x1	191276	ST4,8x1	946214 ¹⁾
ST4,2x1	192557	ST4,8x6,2	946331 ¹⁾
ST4,2x1,5	948571	ST4,8x3	945626
ST4,2x2,5	942866	ST6,3x2,5	948707
ST4,8x1	191391	1/4x2,5	941975 ¹⁾
ST4,8x1	943501 ¹⁾		

Fjädermutter ST/ACME-gänga
Fjäderstål, ytbehandling Y 900

Spring nuts ST/ACME-thread
Spring steel, surface coating Y 900

STD drawing 1053209



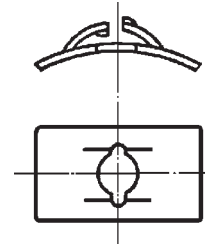
Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
1/4ACMEx1	941962		
1/4ACMEx2	120408		

Fjädermutter

Fjäderstål, ytbehandling Y 900

Spring nuts

Spring steel, surface coating Y 900



STD drawing 1053446

Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
ST 3,5	191246		

Fjädermutter

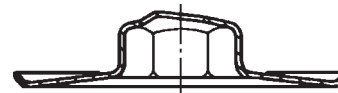
Fjäderstål, ytbehandling Y 900

Clipsgänga

Spring nuts

Spring steel, surface coating Y 900

Clip thread



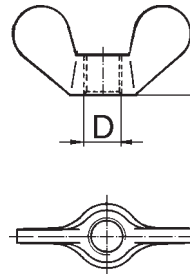
STD drawing 1053244

Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
T5	977276		

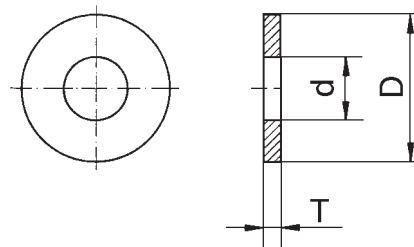
Vingmutter 6 M-gänga zib
Elförzinkade zink-järn, svartkromaterade

Wing nuts 6 M-thread zib
Electro-zincplated zinc-iron, black chromated

STD drawing 1052928



Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
M6	191491		
M8	192354		
M10	192591		

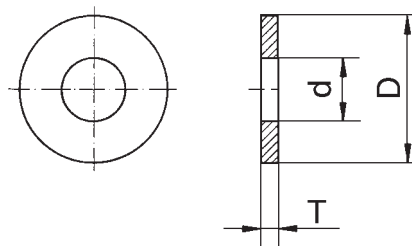
Bricka 8.8 zib**Elförzinkade zink-järn, svartkromaterade****Washer 8.8 zib****Electro-zincplated zinc-iron, black chromated**
**STD drawing 1052132, 1052205 ¹⁾, 1052700 ²⁾, 1052701 ³⁾,
1052723 ⁴⁾, 1053553 ⁵⁾, 1052875 ⁶⁾**

Dimension d × D × T	Artikel nr. Part No.	Dimension d × D × T	Artikel nr. Part No.
3,2×6×0,5	955890 ²⁾	12×60×4	190621 ⁴⁾
3,2×10×1	960135 ³⁾	12,1×38×6	949505 ⁴⁾
3,7×12×1	960136 ³⁾	12,5×20×2,5	18634
4,3×8×0,8	955891 ²⁾	12,8×28×1	120648 ⁴⁾
4,3×14×1	960137 ³⁾	13×23×3	18725 ⁴⁾
4,8×10×0,8	960146 ²⁾	13×24×2	955897 ²⁾
5×22×1,5	947853 ⁴⁾	13×26×3	969274 ⁵⁾
5,3×10×1	940090 ²⁾	13×37×6	969203 ⁵⁾
5,3×16×1,5	960138 ³⁾	13×40×5	947355
6,4×12×1,5	955892 ²⁾	13×46×4	11958 ⁴⁾
6,4×18×2	976943 ¹⁾	13×50×3	945673
6,4×40×1,5	949817	13×70×4	947356 ⁴⁾
6,5×14×3	948315 ⁴⁾	13,5×24×2	955898 ²⁾
6,5×22×2	192041 ⁴⁾	13,5×25×5	944449 ⁴⁾
6,7×14×1,5	955893 ²⁾	13,5×34×3	960145 ³⁾
7×28×2	190788 ⁴⁾	13,5×36×3	192477
7,4×30×2	947426	13,8×26×1,5	942357
8,2×32×2,5	948880 ⁴⁾	14,1×45×3	981420
8,4×16×1,5	955894 ²⁾	14,5×38×3	18702 ⁴⁾
8,4×16×2,5	120265	15×26×2	955899 ²⁾
8,4×20×2,5	191172	15×30×2	942934
8,4×22×2	976944 ¹⁾	15×32×4	966838
8,4×24×4	969201 ⁵⁾	15×38×6	979232 ⁶⁾
8,4×36,5×5	191130	15,2×19,3×0,5	949365
8,4×42,5×3	940395	16×25×2	190543
8,5×16×4	11978 ⁴⁾	16×30×1,5	18603
8,5×22×5	191169 ⁴⁾	16,5×38×6	29869 ⁴⁾
8,5×28×2	192341 ⁴⁾	17×30×3	955900 ²⁾
10×15×1,5	942598	17×40×3	191940 ⁴⁾
10×18×3	941744	17×57×4	945544 ⁴⁾
10×50×4	948813	18,5×50×5	948556 ⁴⁾
10,5×18×2	955895	19×34×3	955901 ²⁾
10,5×20×3	190509 ⁴⁾	19×57×4	120147 ⁴⁾
10,5×22×2	976945 ¹⁾	20,5×38×5	120224 ⁴⁾
10,5×22×4	949523	21×30,5×2	120173
10,5×25×4	11975 ⁴⁾	21×36×3	955903 ²⁾
10,5×26×2	960143 ³⁾	21×45×3	949394
10,5×30×2	948823 ⁴⁾	21×57×4	968020
10,5×34×3	980479	23×40×3	955904 ²⁾
10,5×38×3	948087 ⁴⁾	25×45×4	955905 ²⁾
10,5×42×4	947541	26×45×4	955906 ²⁾
10,5×42×6	968003	27×57×5	945872 ⁴⁾
11,4×32×2	942356	30×52×4	955907 ²⁾
11,4×32×4	944633	31×58×4	960150 ²⁾
12×22×5	948093	53×92×6	955914 ²⁾
12×30×3	960144 ³⁾		
12×40×5	120065 ⁴⁾		

Bricka
Elförzinkade, gulkromaterade

Washer
Electro-zincplated, yellow chromated

STD drawing 1054167, 1610554 ¹⁾, 948576 ²⁾, 949464 ³⁾,
1594095 ⁴⁾, 1587574 ⁵⁾, 1586388 ⁶⁾, 190570 ⁷⁾, 946255 ⁸⁾

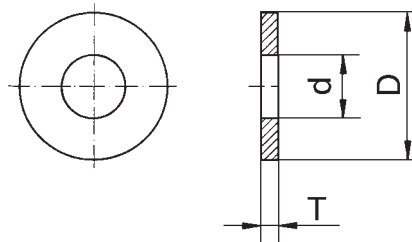


Dimension d × D × T	Artikel nr. Part No.	Dimension d × D × T	Artikel nr. Part No.
8,4x16x3	961169	14,5x22x6	1587574 ⁵⁾
10x18x4	961170	15x30x5,5	1610554 ¹⁾
10,5x22x4	961171	17x36x4	948576 ²⁾
10,5x28x3	192289 ⁷⁾	18,5x28x6	1586388 ⁶⁾
12,2x20x1	946255 ⁸⁾	21x40x6	949464 ³⁾
12,5x50x4	1594095 ⁴⁾	20x36x4	948577 ²⁾

Bricka
Förzinkad
Stål

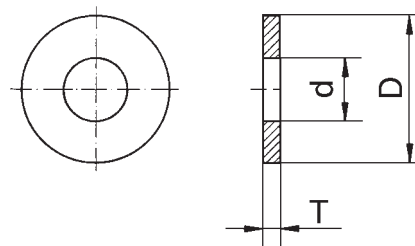
Washer
Zincplated
Steel

STD drawing 1581381



Dimension d × D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
20,5x34x2,5	1581381		

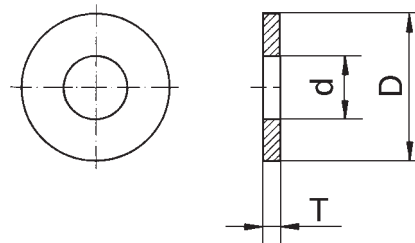
Bricka fos
Fosfaterade
Washer fos
Phosphated



STD drawing 1053072, 947395 ¹⁾, 192123 ²⁾, 1058220 ³⁾,
 943647 ⁴⁾, 8151419 ⁵⁾

Dimension d × D × T	Artikel nr. Part No.	Dimension d × D × T	Artikel nr. Part No.
7,4x16x2	947395 ¹⁾	21x50x4	930851
13x24x4	8151419 ⁵⁾	25x45x4	946920 ³⁾
17x30x6	930846	25,5x39x5	943647 ⁴⁾
20x32x3	192123 ²⁾		

Bricka
Stål v-1159-z275
Washer
Steel v-1159-z275

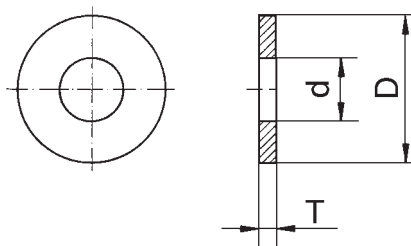


STD drawing 1591500

Dimension d × D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
12,5x30x1,5	1591500		

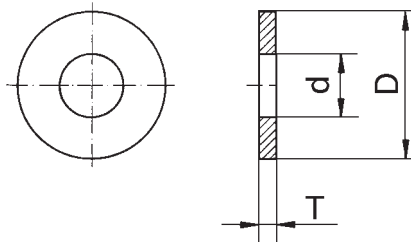
Bricka**Rostfritt stål****Washer****Stainless steel**

STD drawing 1053554

**Dimension**
d × D × T**Artikel nr.**
Part No.

6,7x14x1,5

940191

Dimension**Artikel nr.**
Part No.**Bricka****Mässing****Washer****Brass**STD drawing 18670, 944472 ¹⁾, 946700 ²⁾**Dimension**
d × D × T**Artikel nr.**
Part No.

10,5x22x0,8

18670

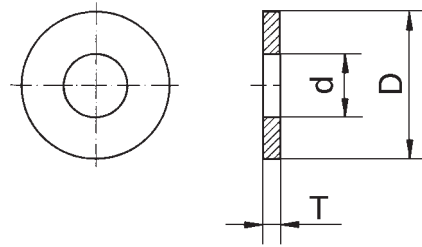
13x18,3x0,5

944472 ¹⁾

21,8x30,5x2

946701 ²⁾**Dimension****Artikel nr.**
Part No.

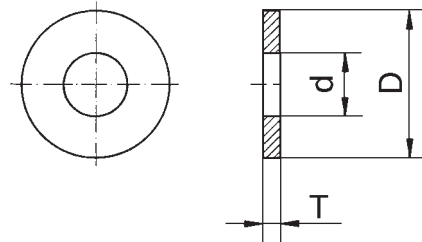
Bricka
Lackerade
Washer
Painted



STD drawing 1052464, 6853994 ¹⁾

Dimension d × D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
17x30x4	6853994 ¹⁾		
19x34x4	6853995 ¹⁾		
21x36x4	6853996 ¹⁾		
25x45x6	980525		

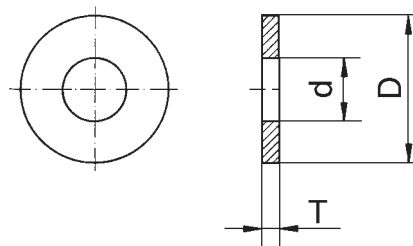
Bricka
Vävlaminat
Washer
Woven fabric laminate



STD drawing 1054116

Dimension d × D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4,3x10x1	962653		
5,1x12x1	962654		
8,1x18x1	962658		
8,1x18x2	945244		
10,1x24x1	962660		
10,1x24x2	962679		
20,3x40x2	962685		

**Bricka
Gummi
Washer
Rubber**

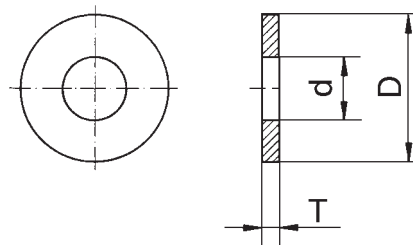


STD drawing 1053217, 1610218 ¹⁾

Dimension d × D × T	Artikel nr. Part No.
3x8x1,5	949462
3,2x9,5x2	1610218 ¹⁾
6x14x1,5	949102
6,1x17,5x2	977288
8,2x30x3	967961

Dimension	Artikel nr. Part No.
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**Bricka
Plast
Washer
Plastic**



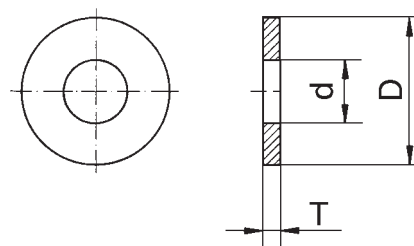
STD drawing 1053220

Dimension d × D × T	Artikel nr. Part No.
8,4x16x1,5	947757

Dimension	Artikel nr. Part No.
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Stödbricka Seghårdad

HRC 44-48



Supporting ring Hardened

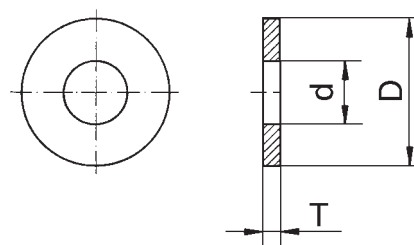
HRC 44-48

STD 17153,501

Dimension d × D × T	Artikel nr. Part No.	Dimension d × D × T	Artikel nr. Part No.
42x52x2,5	943033	60x75x2,7	942142
44x56x3	942136	60x75x2,8	942143
44x56x2,7	942133	60x75x2,9	942144
44x56x2,8	942134	60x75x3	942145
44x56x2,9	942135	65x85x2,6	942146
50x62x3	942140	65x85x2,8	942148
55x68x3	943322	65x85x2,9	942149
60x75x2,6	942141	65x85x3	942150

Stödbricka Stål

HB 200 MIN



Supporting ring Steel

HB 200 MIN

STD 17153,521

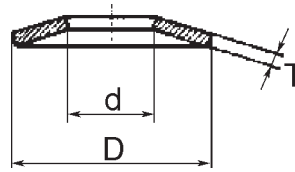
Dimension d × D × T	Artikel nr. Part No.	Dimension d × D × T	Artikel nr. Part No.
90x109x1,3	943349	110x129x1,3	943350
90x109x1,5	942151	110x129x1,7	942159
90x109x1,9	942153	110x129x1,9	942160
90x109x2	942154	110x129x2	942161
90x109x2,1	942155	110x129x2,3	942163
90x109x2,5	942157	110x129x2,5	942164

Tallriksfjäder

För dynamisk och statisk belastning

Disc Springs

For dynamic and static loads



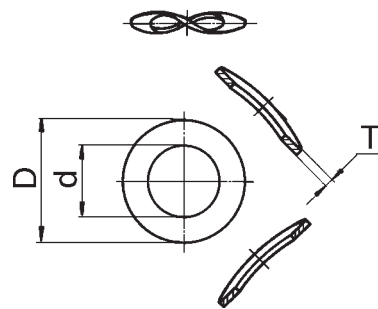
STD drawing 1053410, STD 17245,101 ¹⁾

Dimension d × D × T	Artikel nr. Part No.	Dimension d × D × T	Artikel nr. Part No.
8,2x16x0,9	942574	14,2x40x1,25	943819 ¹⁾
9,2x18x1	942385	16,3x31,5x1,25	961386
11,2x22,5x1,25	942180	16,3x31,5x1,75	942844
12,2x25x0,9	961384	18,3x35,5x0,9	943409 ¹⁾
14,2x28x1	961385	20,4x40x2,25	961414
14,2x28x1,5	961411		

Skevad fjäderbricka fzb
Elförzinkade zink-järn, svartkromaterade

Wave spring washer fzb
Electro-zincplated zinc-iron, black chromated

STD drawing 1053013

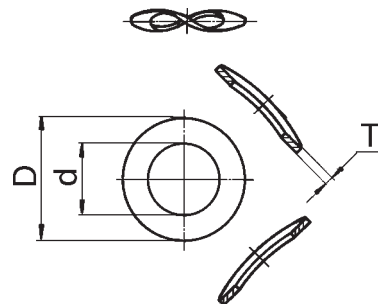


Dimension d x D x T	Artikel nr. Part No.	Dimension d x D x T	Artikel nr. Part No.
4,3x9x0,5	941904	13,5x24x1,2	940280
5,3x11x0,5	941905	15x28x1,6	941911
6,7x12x0,5	941906	17x30x1,6	941912
8,4x15x0,8	941907	19x34x1,6	941913
10x18x1	942336	21x36x1,6	941914
10,5x21x1	941908	25x44x1,8	941916
11,5x21x1	941909	27x50x2	941917

Skevad fjäderbricka
Lackerad

Wave spring washer
Painted

STD drawing 1052129

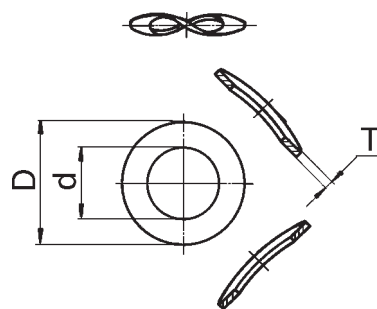


Dimension d x D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
21x36x1,6	980280		

Skevad fjäderbricka
Rostfritt stål

Wave spring washer
Stainless steel

STD drawing 1052017



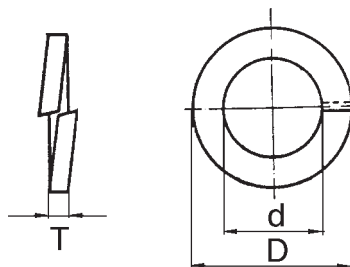
Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
6,4x12x0,5	979885		
8,4x15x0,8	979886		
13x24x1,2	982476		

Fjäderbricka fzb
Elförzinkade zink-järn, svartkromaterade

Spring washer fzb
Electro-zincplated zinc-iron, black chromated

STD drawing 1052074

SMS 84



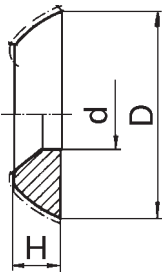
Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension $d \times D \times T$	Artikel nr. Part No.
4,1x7,1x0,9	955917	12,2x20,2x2,5	955923
5,1x8,7x1,2	955918	13x21x2,5	955924
6,1x11,1x1,6	955919	14,5x23,5x3	955925
6,5x11,5x1,6	955920	16,2x26,2x3,5	955926
8,2x14,2x2	955921	18,2x28,2x3,5	955927
9,7x16,7x2,2	940108	20,2x32,2x4	955929
10,2x17,2x2,2	955922		

Karosseribricka
Mässing

Svarvad

Body washer
Brass

Turned



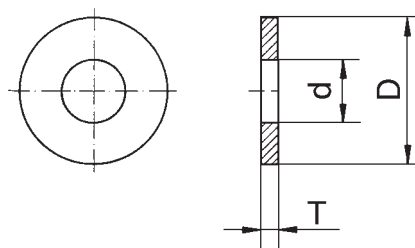
STD drawing 1054004

Dimension d × D × H	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
5,3x15x2,8	959058		
6,4x18,5x4	959060		

Justerbleck

Shims

STD drawing 1053447, 1053453 ¹⁾, 1053454 ²⁾,
1053727 ³⁾, 3078100 ⁴⁾



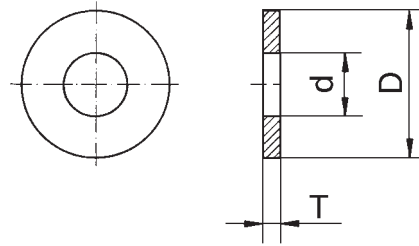
Dimension d x D x T	Artikel nr. Part No.	Dimension d x D x T	Artikel nr. Part No.
12x20x0,3	945606 ¹⁾	84x99,8x1	62218 ²⁾
19x26x0,3	946445 ³⁾	90x120x0,1	192465
19x26x0,5	946446 ³⁾	90x120x0,35	192464
19x26x0,8	968419 ³⁾	90x120x1	192463
19x26x0,9	968420 ³⁾	95x109x0,1	120612
19x26x1	968421 ³⁾	95x109x0,15	190835
19x26x1,1	968422 ³⁾	95x109x0,35	120613
19x26x1,3	968423 ³⁾	110x124x0,1	948592
20,7x32x0,1	120663	110x124x0,15	948593
20,7x32x0,5	120048	110x124x0,35	948594
22,2x28x1	400722	110x129x0,35	942088
25x34x1,25	941831 ¹⁾	140x159x0,1	941291
25,6x34x,01	120131	140x159x0,15	948599
25,6x34x0,35	120132	140x159x0,35	941292
25,6x34x1	120133	140x159x0,5	941293
26x41x1	120050	140x169x0,1	949825
28,2x33x0,5	120162	140x169x0,15	949826
28,6x72,4x1	80506 ²⁾	140x169x0,35	949827
29x36,5x0,25	191837 ¹⁾	140x169x0,5	949828
29x36,5x0,7	191836		
30,2x40x0,35	34614		
30,2x40x0,5	947120		
35,2x43x0,1	84219		
35,2x43x0,35	84218		
38,1x50x0,1	1585983 ⁴⁾		
38,1x50x0,25	8150242 ⁴⁾		
38,1x50x0,35	1585984 ⁴⁾		
38,1x50x0,4	8150243 ⁴⁾		
38,1x50x1	1585985 ⁴⁾		
40,5x48x0,1	45545		
40,5x48x0,35	45544		
45x52x0,1	940366		
45x52x0,25	8150240 ⁴⁾		
45x52x0,35	940367		
45x52x0,4	8150241 ⁴⁾		
45,5x65x0,5	3173006 ⁴⁾		
50,2x57x0,15	949072		
50,2x57x0,35	949073		
50,2x57x0,5	949074		
55x68x0,5	948360 ³⁾		
55,5x63x0,1	44142		
55,5x63x0,35	44141		
57,15x66x0,1	8152783 ⁴⁾		
63,5x75,8x0,1	81383		
63,5x75,8x0,15	81384		
67x74,6x0,35	303534		
70,5x79x0,1	944562		
70,5x79x0,35	945733		

Distansbricka zib

Elförzinkade zink-järn, svartkromaterade

Spacer washer zib

Electro-zincplated zinc-iron, black chromated



STD drawing 1053219

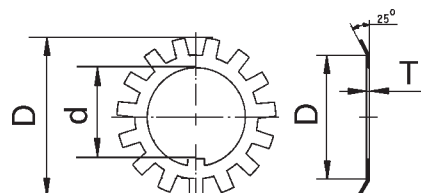
Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension $d \times D \times T$	Artikel nr. Part No.
6,4x12x4	943361	8,4x18x10	948871
6,7x12x5	944563	10,5x18x6	949869
8,4x16x7	949873	13,5x21,5x4	981968
8,4x16x9	946048		

Låsbricka

Elförzinkad, gulkromaterad

Loch washer

Electro-zincplated, yellow chromated

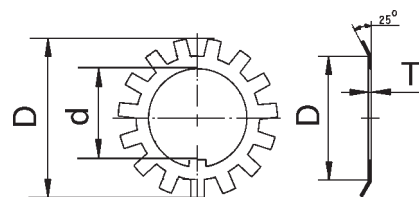


STD drawing 1607339

Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
20x36x1	1607339		

Låsbricka fos
Fosfaterade

Loch washer fos
Phosphated

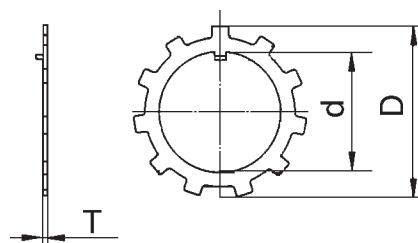


STD 7155,6

Dimension d × D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
25x42x1,25	907023		
30x49x1,25	907024		
50x74x1,25	907028		

Låsbricka
Stål

Loch washer
Steel



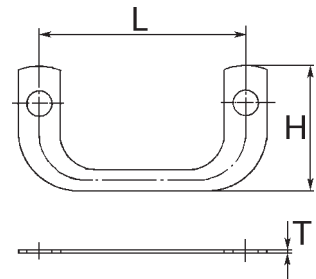
STD drawing 1053321, 1052798 ¹⁾

Dimension d × D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
40x62x1,25	981064 ¹⁾		
83x121x3	191179		

Låsbricka
Stål

Loch washer
Steel

STD drawing 942410



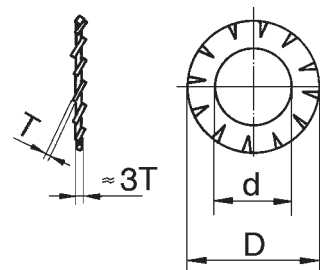
Dimension L x H x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
88x53x1	942410		

Tandbricka zib
Elförzinkade zink-järn, svartkromaterade

Ytterslitande solfjäderbrickor

Toothed washer zib
Electro-zincplated zinc-iron, black chromated

Serrated lock washers external teeth



STD drawing 1052063, 1052064 ¹⁾

Dimension d x D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3,2x6x0,4	967597		
4,3x8x0,5	942603		
5,1x9x0,5	942604 ¹⁾		
5,3x10x0,6	967599		
6,4x11x0,7	942605		
8,2x14x0,8	942767		
12,5x20,5x1	967600		
19x30x1,4	967603		

Tandbricka zib

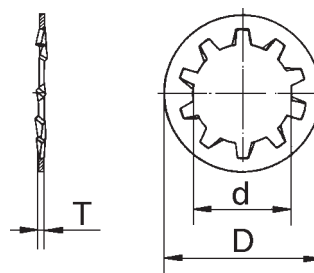
Elförzinkade zink-järn, svartkromaterade

Invändig tandning, Typ ITB

Toothed washer zib

Electro-zincplated zinc-iron, black chromated

Internal tooth, Type ITB



STD drawing 1053455

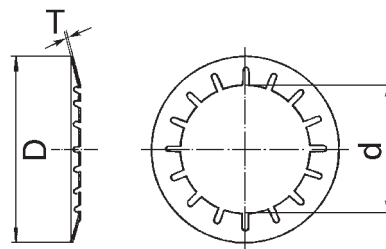
Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension $d \times D \times T$	Artikel nr. Part No.
3,2x6x0,4	955944	11,6x19,8x0,9	940147
3,7x7x0,5	940121	12,5x20,5x1	940143
4,3x8x0,5	955945	13,2x22x1	955951
5,1x9x0,5	955946	14,5x24x1	955952
5,3x10x0,6	955947	16,5x26x1,2	955953
6,4x11x0,7	955948	19x30x1,4	955954
6,5x12,1x0,6	940155	21x33x1,4	955956
8,2x14x0,8	955949	23x36x1,5	955957
9,9x17,4x0,9	955950	26x40x1,6	955959
10,5x18x0,9	940109		

Tandbricka

Fjäderstål

Toothed washer

Spring steel



STD drawing 946222

Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
22,6x34,5x0,35	946222		

Tandbricka

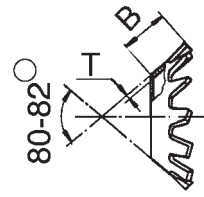
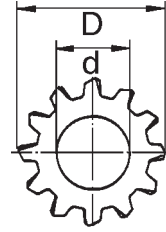
Elförzinkade

Konisk utvändig tandning, Hårdhet 40-50 HCR

Toothed washer

Electro-zincplated

Tapered external teeth, Hardness 40-50 HCR



STD 17155,5

Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
8,1x15,2x0,7	18895		

Tandbricka

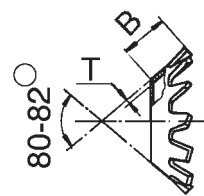
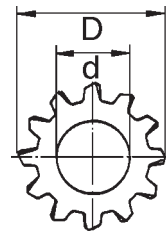
Obehandlad

Konisk utvändig tandning, Hårdhet 40-50 HCR

Toothed washer

Untreated

Tapered external teeth, Hardness 40-50 HCR

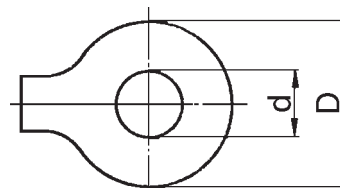


STD 17155,505

Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
6,5x11,5x0,6	18891		

Vikbricka
Stål

Tab washer
Steel

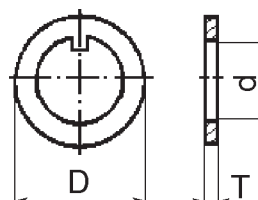


STD drawing 1054200

Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
8,4x22x0,75	190296		

Vikbricka
Stål

Tab washer
Steel

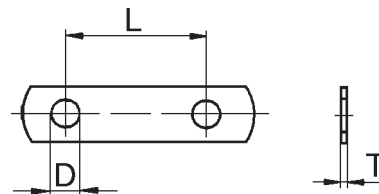


STD drawing 1052755

Dimension $d \times D \times T$	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
28,75x60x1,5	192642		

Vikbricka dubbel
Stål

Double tab washer
Steel

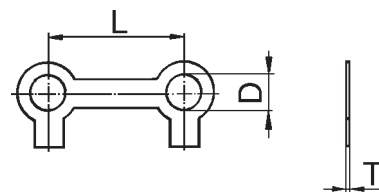


STD drawing 1052736

Dimension d x L x T	Artikel nr. Part No.	Dimension d x L x T	Artikel nr. Part No.
6,4x16x2	968549	11x24x1	120325
8,4x54x1	941878	11x50x1	62109
10,5x46x1	966717	15x81x1	941465
10,5x66x1	190529	15,5x68,7x1	941464

Vikbricka dubbel
Obehandlad

Double tab washer
Untreated

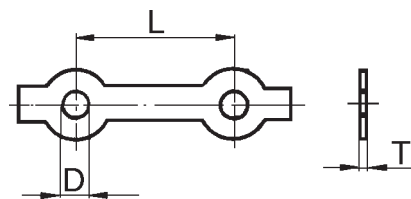


STD 17156,705

Dimension d x L x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
10,5x38x1	949459		

Vikbricka dubbel
Obehandlad

Double tab washer
Untreated

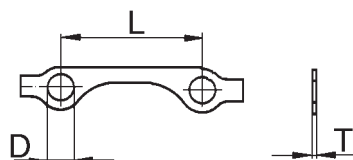


STD 17156,712

Dimension d x L x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
12x50,8x1,25	941495		
13x30x1,25	15264		

Vikbricka dubbel
Stål

Double tab washer
Steel



STD drawing 1057709, 1052595 ¹⁾

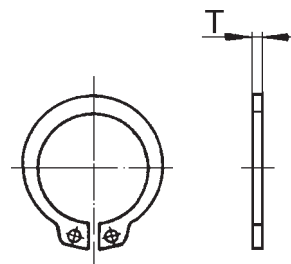
Dimension d x L x T	Artikel nr. Part No.	Dimension d x L x T	Artikel nr. Part No.
8,4x44,5x1,25	943705	10,5x44,5x1,25	942167
8,4x45x1,25	15260	10,5x59,5x1,25	15193
8,4x50x1	980583 ¹⁾	10,5x70,5x1,25	120307
8,4x50x1	15176	11x60,5x1,25	967666
8,4x51x1,25	947071	11x80x1,25	120331
8,4x59x1	949870		

Spårring Stål

För axlar

Retaining ring Steel

For shafts



STD drawing 1053226, 1054204 ¹⁾

D = Axeldiameter/Shaft diam.

Dimension D × T	Artikel nr. Part No.	Dimension D × T	Artikel nr. Part No.
8x0,8	955964	5x2,5	914482
9x1	955965	80x2,5	914484
10x1	951075	82x2,5	945506
12x1	914446	85x3	914486
14x1	914448	90x3	914488
15x1	914449	100x1,5	944313 ¹⁾
16x1	914450	100x3	914492
18x1,2	914452	105x4	951079
20x1,2	914454	110x4	951080
22x1,2	914456	125x4	945509
24x1,2	951077	130x4	951082
25x1,2	914459		
26x1,2	951078		
28x1,5	914461		
30x1,5	914462		
32x1,5	914463		
34x1,5	945497		
35x1,5	914465		
40x1,75	914468		
40x1,9	942992 ¹⁾		
40x2	942723 ¹⁾		
44x1,75	941844 ¹⁾		
45x1,5	949788 ¹⁾		
45x1,75	914470		
45x1,85	190745 ¹⁾		
45x1,95	190746 ¹⁾		
45x2	949787 ¹⁾		
45x2,05	190747 ¹⁾		
45x2,5	948999 ¹⁾		
48x1,75	914471		
50x2	914472		
50x3	949321 ¹⁾		
52x2	945499		
55x2	914474		
57x2	44381 ¹⁾		
58x2,2	943318 ¹⁾		
58x2,3	943319 ¹⁾		
58x2,4	943320 ¹⁾		
58x2,5	943321 ¹⁾		
60x2	914476		
62x2	944986		
63x2	945502		
65x2,5	914478		
70x2,5	914480		
72x2,5	945504		

Spårring Stål

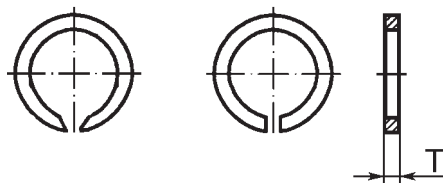
För axlar, Typ SW

$D \leq 38$

$D > 38$

Retaining ring Steel

For shafts, Type SW



STD drawing 1057710

D = Axeldiameter/Shaft diam.

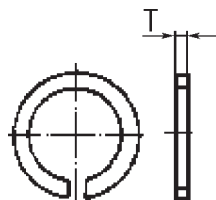
Dimension D × T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
16x1,2	949689		
37x1,5	944100		
72x2	949872		
95x2,5	968826		
160x2,5	968827		

Spårring fos Fosfaterade

För axlar

Retaining ring fos Phosphated

For shafts



STD 17157,427

D = Axeldiameter/Shaft diam.

Dimension D × T	Artikel nr. Part No.	Dimension D × T	Artikel nr. Part No.
130x2,3	942332	160x2,4	941555
130x2,4	941551	160x2,5	941554
130x2,5	941550	160x2,6	941553
130x2,6	941549	160x2,7	941552
130x2,7	941548	160x3,15	949380
160x2,3	942333		

Spårring fos

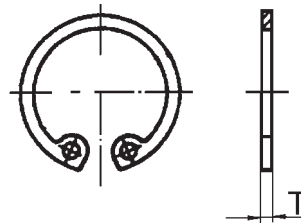
Fosfaterade

För hål

Retaining ring fos

Phosphated

For bores



STD drawing 1053236

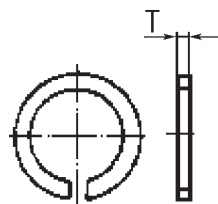
D = Håldiameter/Bore diam.

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
14x1	955970		
17x1	945477		
18x1	914506		
19x1	914507		
20x1	945477		
24x1,2	951085		
25x1,2	914513		
26x1,2	951086		
28x1,2	914515		
32x1,2	914517		
34x1,5	945479		
35x1,5	914519		
37x1,5	951087		
38x1,5	914522		
40x1,75	914523		
42x1,75	914524		
45x1,75	914525		
47x1,75	914526		
43x1,75	945481		
52x2	914529		
55x2	914530		
58x2	914531		
60x2	914532		
62x2	914533		
65x2,5	914534		
68x2,5	914535		
70x2,5	914536		
72x2,5	914537		
75x2,5	914538		
80x2,5	914540		
85x3	914542		
90x3	914544		
100x3	914548		
112x4	945490		
125x4	914553		
130x4	914554		
140x4	914556		

Spårring fos

Fosfaterade

För lager med ringspår, Typ SP



Retaining ring fos

Phosphated

For roilling bearings with groove, Type SP

STD 17157,428

D = Axeldiameter/Shaft diam.

Dimension D x T	Artikel nr. Part No.
130x2,82	941531
160x2,82	941558

Dimension	Artikel nr. Part No.
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Spårring

Stål

För hål, Med tappar



Retaining ring

Steel

For bores, With tabs

STD drawing 1053769

D = Håldiameter/Bore diam.

Dimension D x T	Artikel nr. Part No.
20x1	967933
26x1,2	192125

Dimension	Artikel nr. Part No.
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Spårring fos

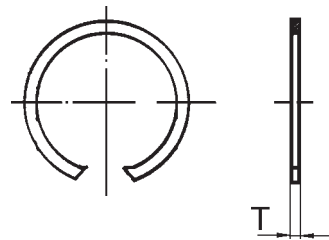
Stål

För hål, Typ SP

Retaining ring

Steel

For bores, Type SP



STD drawing 1053694

D = Håldiameter/Bore diam.

Dimension D x T	Artikel nr. Part No.	Dimension D x T	Artikel nr. Part No.
28x1,2	976780	118x2,5	949909
97x2,5	969360	125x2,5	943467
100x2,5	949435	130x2,5	943760
102x2,5	947378	310x4	968825

Spårring

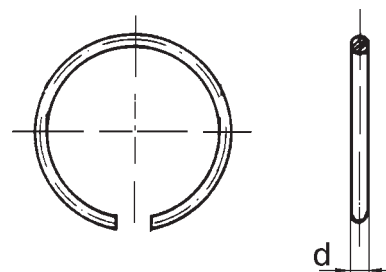
Stål

För hål, Speciella utföranden

Retaining ring

Steel

For bores, Special designs



STD drawing 1053368, 1053259 ¹⁾

D = Håldiameter/Bore diam.

Dimension D x T	Artikel nr. Part No.	Dimension D x T	Artikel nr. Part No.
28x2	947614 ¹⁾	90x3,2	977173 ¹⁾
32x2,5	949324 ¹⁾	132x3	118125
48x2,5	949789 ¹⁾		

Spårring

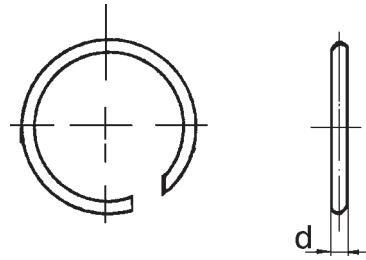
Rostfri

För hål

Retaining ring

Stainless

For bores



STD 17157,729

D = Håldiameter/Bore diam.

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
84x3	302156		

Hållare

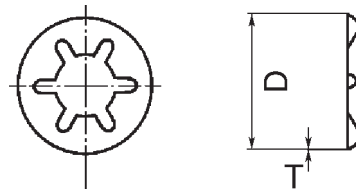
Rostritt stål

Rund

Retaining clips

Stainless steel

Circular



STD drawing [1058214](#)

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
15,3x0,25	983478		

Hållare

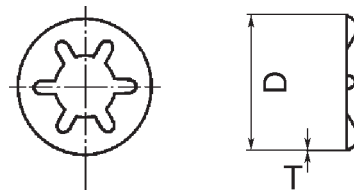
Elförzinkade zink-järn, svartkromaterade

Stål, Runda

Retaining clips

Electro-zincplated zinc-iron, black chromated

Steel, Circular



STD drawing 1052857

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
11,7x0,2	191695		
18,7x0,3	967581		
28,5x0,4	967584		

Hållare

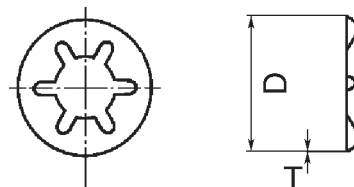
Elförzinkade, gulkromaterade alt mekaniskt pläterade

Stål, Runda

Retaining clips

Electro-zincplated, yellow chromated alt mechanically plated

Steel, Circular



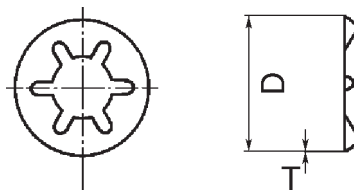
STD drawing 1052858

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
9,7x0,2	944602		
15,3x0,25	943407		

Hållare

Lackerade, svart

Stål, Runda



Retaining clips

Painted, black

Steel, Circular

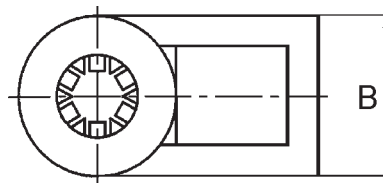
STD drawing 1052856

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3x0,2	965743		
5x0,2	945780		
6x0,25	945717		
8x0,25	945718		
10x0,3	945719		

Hållare

Plast

För bandklämmor, Svetsskruvmontage



Retaining clips

Plastic

For cable ties, Weld screw assembly

STD drawing 1053736

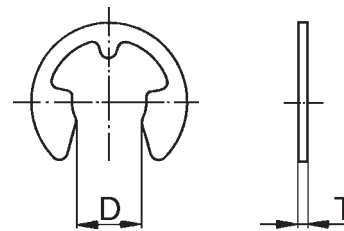
Dimension B	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
5,2	977583		

Spårryttare Fosfaterade

Fjäderstål

E-circlips Phosphated

Spring steel



STD drawing 1053014

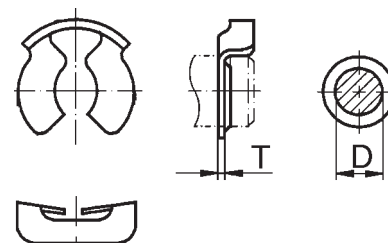
Dimension D x T	Artikel nr. Part No.	Dimension D x T	Artikel nr. Part No.
1,2x0,3	951662	7x0,9	951670
3,2x0,6	951666	8x1	966237
4x0,7	951667	9x1,1	951671
5x0,7	951668	10x1,2	966238
6x0,7	951669	15x1,5	966240

Spårryttare fzb Elförzinkade zink-järn, svartkromaterade

Fjäderstål

E-circlips fzb Electro-zincplated zinc-iron, black chromated

Spring steel



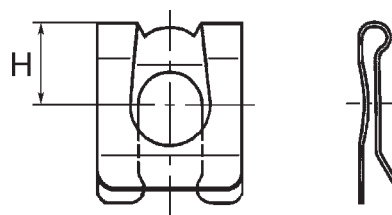
STD drawing 1052360

Dimension D x T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
10x0,65	946595		
14x0,7	947537		
16x0,7	947515		

Låsbygel

Elförzinkade zink-järn, svartkromaterade

Fjäderstål



Lock brace

Electro-zincplated zinc-iron, black chromated

Spring steel

STD drawing 1052361

Dimension
H

Artikel nr.
Part No.

Dimension

Artikel nr.
Part No.

5

944729

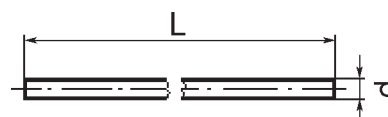
8

942915

Låstråd

Stål

Kapade längder



Locking wire

Steel

Cut lengths

STD drawing 1053542

Dimension
D x L

Artikel nr.
Part No.

Dimension

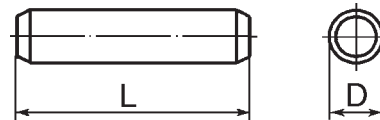
Artikel nr.
Part No.

1,5x700

944556

Cylindrisk pinne
Stål

Parallel pins
Steel



STD drawing 1052435, 1052904 ¹⁾

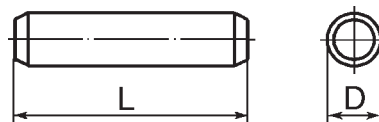
Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3x8	950499		
3x20	950505		
5x12	950525		
5x30	950533		
6x6	131205 ¹⁾		
6x7,5	21660 ¹⁾		
6x16	950543		
6x18	950544		
6x18	949020 ¹⁾		
6x30	950549		
8x16	950562		
8x25	950566		
8x45	950574		
8x55	950578		
8x90	131273 ¹⁾		
10x20	950586		
10x25	950588		
10x35	950592		
10x55	950600		
12x20	19730 ¹⁾		
12x28	950612		
12x30	950613		
12x45	950619		
12x60	950625		
12x70	950628		
13x28	131354 ¹⁾		
14x28	950643		
14x32	950645		
14x45	950650		
14x70	950659		
16x30	950675		
16x35	950677		
16x40	950679		
16x45	950681		
16x50	950683		
18x18	941776 ¹⁾		
18x22	948073 ¹⁾		
18x25	941840 ¹⁾		
18x40	947606 ¹⁾		
18x45	973870 ¹⁾		
18x48	941510 ¹⁾		
18x52	979863 ¹⁾		
18x56	941511 ¹⁾		
18x65	969031 ¹⁾		
18x70	981718 ¹⁾		
18,1x25	981155 ¹⁾		
20x45	950711		

Cylindrisk pinne

Stål, sätthärdade

Parallel pins

Steel, case hardened



STD drawing 1052648

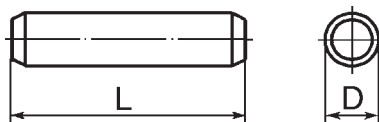
Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
8x49,5	968916		
10x20	944136		
16x40	131413		

Cylindrisk pinne fzb

Elförzinkade zink-järn, svartkromaterade

Parallel pins fzb

Electro-zincplated zinc-iron, black chromated



STD drawing 1052359, 1053393 ¹⁾

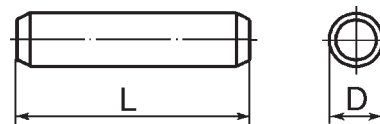
Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
10x20	981625 ¹⁾		
12x68	191968		
14x111	941689		
14x122	941690		

Cylindrisk pinne

Med speciella ändfaser

Parallel pins

With special end bevels



STD 17112,2

**Dimension
D x L**

**Artikel nr.
Part No.**

14x35

943739

16x35

943738

Dimension

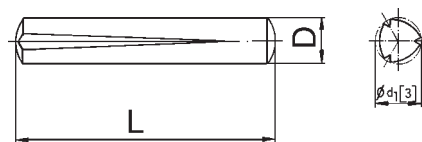
**Artikel nr.
Part No.**

Räfflad pinne

Stål

Grooved pins

Steel



STD drawing 1052437

**Dimension
D x L**

**Artikel nr.
Part No.**

3x12

907173

3x30

961639

4x12

907181

8x25

961649

**Dimension
D x L**

**Artikel nr.
Part No.**

10x35

961652

10x40

907226

10x45

907227

Fjädrande rörpinne

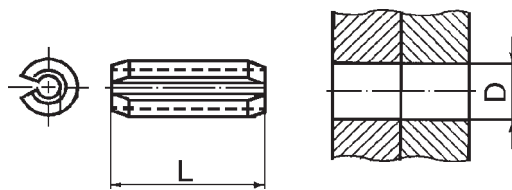
Stål

Härdad och anlöpt stål, Hårdhet 420-520 HV

Spring pins

Steel

Hardened and annealed steel, Hardness 420-520 HV



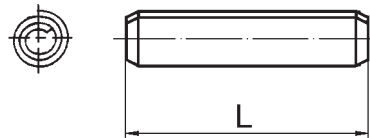
STD drawing 1052439, 1053669 ¹⁾

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
2x12	951925	12x70	952025
2,5x16	951935	16x40	952050
3x16	951944	16x50	952052
3x20	951946	20x50	981373
3x24	951947		
4x10	951950		
4x12	951951		
4x18	951954		
4x20	951955		
4x24	951956		
4x28	951957		
4x32	951958		
4x36	951959 ¹⁾		
4x40	951960		
4x55	948241 ¹⁾		
5x12	951961		
5x16	951963		
5x20	951965		
5x28	951967		
5x32	951968		
5x36	951969 ¹⁾		
5x40	951970		
5x45	951971		
5x50	951972		
6x14	951973		
6x16	951974		
6x18	951975		
6x20	951976		
6x24	951977		
6x28	951978		
6x32	951979		
6x36	951980 ¹⁾		
6x40	951981		
6x45	951982		
6x50	951983		
6x60	951985		
8x20	951988		
8x24	951989		
8x28	951990		
8x32	951991		
8x45	951994		
8x80	951999		
10x20	952001		
10x24	952002		
10x50	952008		
12x45	952021		

Fjädrande rörpinne

Stål

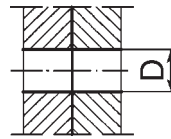
Spiralformade, Normalutförande



Spring pins

Steel

Coiled, Medium duty type



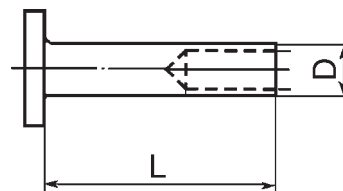
STD drawing 1053215

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3x28	966810		
3x32	949650		
10x55	968986		

Hålnitar

Mässing

Med plant huvud



Semitubular rivets

Brass

With flat head

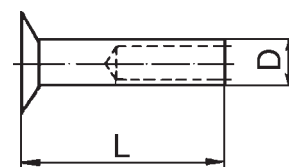
STD drawing 1052446, 1053433 ¹⁾

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4x14,5	952458		
5,6x11	17461 ¹⁾		
6x19	952481		

Hålnitar

Mässing

Med sänkhuvud



Semitubular rivets

Brass

With countersunk head

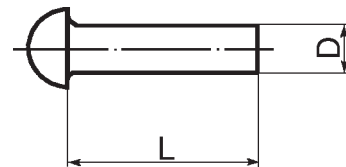
STD drawing 1052447, 1058010 ¹⁾

Dimension D × L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3,6x9,5	952495		
3,6x11	952496		
5,6x16	952523		
6x16	952529		
6x19	952530		
6,4x19	17432 ¹⁾		

Nit

Med kullrigt huvud

Mässing



Rivets

With round head

Brass

STD 17115,162

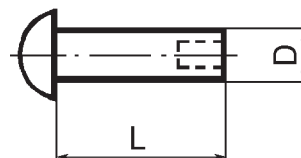
Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
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2,5x9,5	191475		
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Nit

Med kullrigt huvud

Elförzinkade, Gulkromaterade



Rivets

With pan head

Electro-zincplated, Yellow chromated

STD drawing 1053434

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
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3,8x8	952573		
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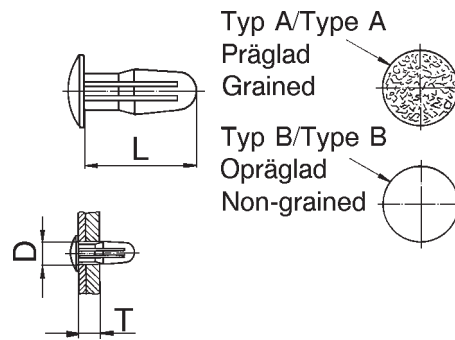
Plastnit

Plast

Plastic rivets

Plastic

STD drawing 1053681



Dimension D x L T Type	Artikel nr. Part No.
---------------------------	-------------------------

9,4x13,7 3,2-4,8 B	679174
12x18 6,0-7,5 B	943353
12,4x15,2 3,2-4,8 A	943701

Dimension	Artikel nr. Part No.
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Ramnit

Elförzinkade zink-järn, svartkromaterade

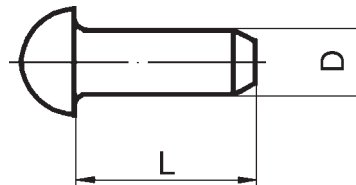
Stål

Frame rivets

Electro-zincplated zinc-iron, black chromated

Steel

STD drawing 1052025



Dimension D x L	Artikel nr. Part No.
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15x30	980010
15x32	980011
15x34	980012
15x36	980013
15x38	980014
15x40	980015
15x42	980016
15x45	980017
15x50	980019

Dimension D x L	Artikel nr. Part No.
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15x52	980020
15x55	980021
15x58	980022
15x60	980023
15x65	980025
15x68	980026
15x72	980028
15x75	980029
15x78	980030

Ramnit

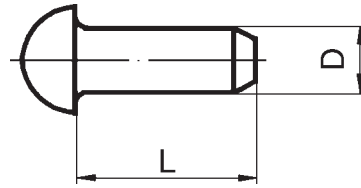
Elförzinkade zink-järn, svartkromaterade

Stål

Frame rivets

Electro-zincplated zinc-iron, black chromated

Steel



STD drawing 1052024

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
13x28	979986	13x45	979994
13x30	979987	13x48	979995
13x32	979988	13x50	979996
13x34	979989	13x52	979997
13x36	979990	13x55	979998
13x38	979991	13x58	979999
13x40	979992	13x60	980000
13x42	979993	13x65	980002

Ramnit fzb

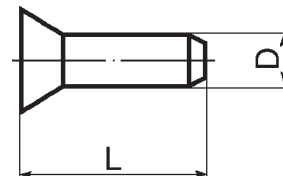
Elförzinkade, gulkromaterade

Med sänkhuvud

Frame rivets fzb

Electro-zincplated, yellow chromated

With countersunk head

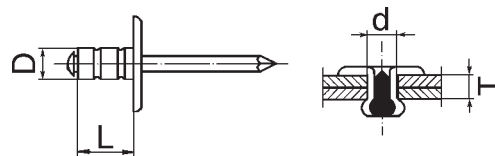


STD drawing 1052321

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
12x32	191451		
12x36	17723		
12x38	191453		
12x42	191454		

Blindnit med kullrigt huvud

Splint och multigriptyp, Tät, Aluminium/Stål



Blind rivets with pan head

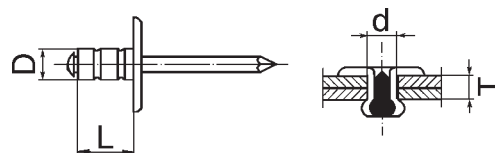
Mandrel and multigrip type, Closed, Aluminium/Steel

STD drawing 1052351

Dimension D x L	T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3,2x7,65	1-4,8	973881		
3,2x11	4-7	973882		
4x13,6	4,8-9,6	975577		
4,8x10,6	1,6-6,4	973884		
4,8x25,2	12,8-19,2	977629		

Blindnit med kullrigt huvud

Splint och multigriptyp, Tät, Aluminium/Stål,
Svartanodiserad



Blind rivets with pan head

Mandrel and multigrip type, Closed, Aluminium/Steel,
Black anodized

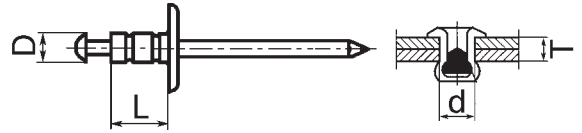
STD drawing 1052716

Dimension D x L	T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4x13,2	1,2-6,4	975584		
4,8x14,5	6,4-12,8	975586		

Blindnit

med kullrigt huvud

Splint och multigriptyp, Tät, Aluminium/Stål,
Svartanodiserad



Blind rivets

with pan head

Mandrel and multigrip type, Closed, Aluminium/Steel,
Black anodized

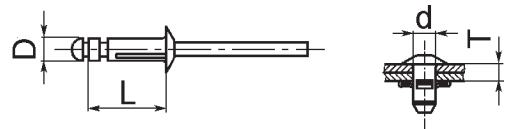
STD drawing 1052718

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4,8x22,5	975607		

Blindnit

med kullrigt huvud

Splint och vingtyp, Huvudet kvar efter nitning,
Aluminium/Aluminium



Blind rivets

with pan head

Mandrel and ring type, Head remains after riveting,
Aluminium/Aluminium

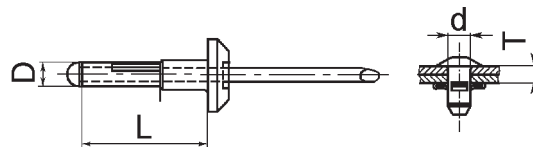
STD drawing 1052159

Dimension D x L	T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4x24	5-12	980339		

Blindnit

med kullrigt huvud

Splint och vingtyp, Huvudet kvar efter nitning,
Plastbelagd Aluminium/Aluminium



Blind rivets

with pan head

Mandrel and ring type, Head remains after riveting,
Plastic covered Aluminium/Aluminium

STD drawing 1053571

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4x21	979878		

Blindnit

med kullrigt huvud

Tät, Aluminium/Aluminium



Blind rivets

with pan head

Closed, Aluminium/Aluminium

STD drawing 1053247

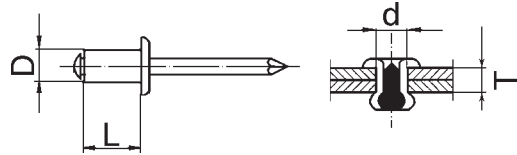
Dimension D x L	T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4,8x25,1	12,7-15,7	981488		

Blindnit med kullrigt huvud

Tät, Aluminium/Stål

Blind rivets with pan head

Closed, Aluminium/Steel



STD drawing 1052673

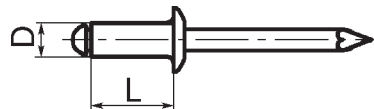
Dimension D x L T Artikel nr. Part No.			Dimension D x L T Artikel nr. Part No.		
3,2x6,5	1,6-3,2	965599	3,2x15,5	6,4-9,5	966792
3,2x8,3	3,2-4,8	942184	4x8,9	3,2-4,8	942679
3,2x10,1	4,8-6,4	942668	4x20	9,5-12,8	981580

Blindnit med kullrigt huvud

Tät, Monel/Stål

Blind rivets with pan head

Closed, Monel/Steel

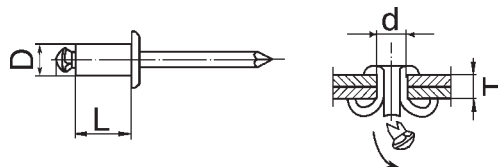


STD drawing 1053559, 70306917

Dimension D x L T Artikel nr. Part No.			Dimension D x L T Artikel nr. Part No.		
3,2x8,1	3-4,3	943000	4,8x9,6	3,8-5,8	942670
4x6,6	1-2,5	965591	4,8x13,5	5,8-8,6	942672
4x8,1	2,5-4,1	965592	4,8x17	8,6-12,4	965596
4x9,9	4,1-5,8	965593	7,6x19,8	7,6-12,7	70306917

Blindnit med kullrigt huvud

Otät, Splint och fläktyp, Aluminium/Stål



Blind rivets with pan head

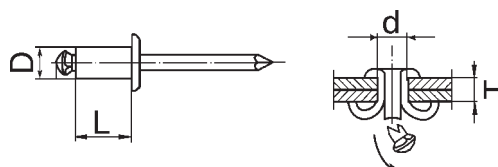
Open, Mandrel and split type, Aluminium/Steel

STD drawing 1053211

Dimension D x L	T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4,8x15	5-9	976123		
4,8x25,8	13-19,5	976125		

Blindnit med kullrigt huvud

Otät, Splint och fläktyp, Aluminium/Stål



Blind rivets with pan head

Open, Mandrel and split type, Aluminium/Steel

STD drawing 1053570

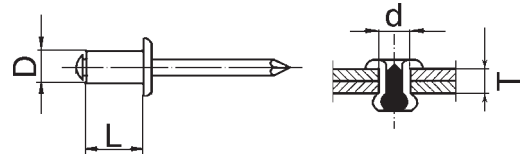
Dimension D x L	T	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
4,8x14,9	1,0-6,0	979030		

Blindnit med kullrigt huvud

Tät, Stål/Stål, Gulkromaterade

Blind rivets with pan head

Closed, Steel/Steel, Yellow chromated



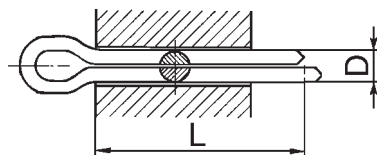
STD drawing 1052166

Dimension			Artikel nr.	
D x L	T	Part No.	Dimension	Part No.
3,2x6,6	1,6-3,2	945076		
4x10,8	4,8-6,4	941806		

Saxpinne

Elförzinkade, gulkromaterade

Stål



Split pins

Electro-zincplated, yellow chromated

Stål

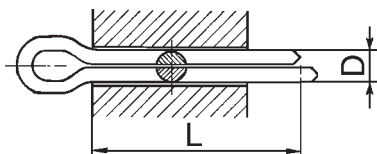
STD drawing 1052438

Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
1,6x28	907819	4x32	907861
2x10	907821	4x40	907863
2x12	907822	4x45	907864
2x18	907824	4x56	907866
2,5x18	907834	5x32	907872
2,5x40	907840	5x36	907873
3,2x18	907845	5x45	907875
3,2x22	907847	5x80	907881
3,2x28	907849	6,3x45	907886
3,2x45	907852	6,3x56	907888
3,2x56	907855	6,3x63	907889
4x18	907856	6,3x80	907892
4x28	907860	8x90	907903

Saxpinne

Elförzinkade, svartkromaterade

Typ SP



Split pins

Electro-zincplated, black chromated

Type SP

STD 17113,4

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
3,5x25	948222		
3,5x32	191174		
4x67	907868		

Saxpinne

Elförzinkade, blankkromaterade

Stål



Split pins

Electro-zincplated, bright chromated

Stål

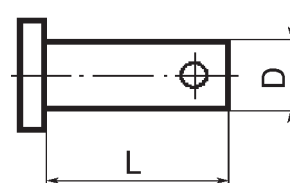
STD drawing 1052454

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
2x50	978992		
3x62	978993		

Saxpinnebult med huvud

Elförzinkade zink-järn, svartkromaterade

Stål



Clevis pins with head

Electro-zincplated zinc-iron, black chromated

Stål

STD drawing 1052472, 1053328 ¹⁾

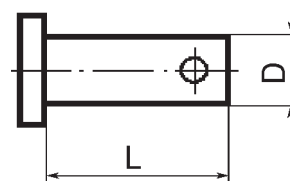
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
6x12	964830	10x65	964865
6x16	964832	10x70	964866
6x20	964833	10x75	964867
6x25	964834	12x40	964875
6x35	964836	12x45	964876
6x40	964837	12x50	964877
6x50	964839	12x80	964883
8x20	964843	14x30	964887
8x25	964844	14x35	964888
8x30	964845	14x40	964889
8x45	964848	14x45	964890
8x55	964850	14x70	964895
8x60	964851	15x86	981570 ¹⁾
8x80	964855	16x50	964904
10x20	964856	16x65	964907
10x25	964857	16x75	964909
10x30	964858	20x65	964931
10x35	964859	20x70	964932
10x40	964860	20x85	964935
10x45	964861	20x90	964936
10x50	964862	20x100	964937
10x55	964863		
10x60	964864		

Saxpinnebult med huvud
Elförzinkade, gulkromaterade

Stål

Clevis pins with head
Electro-zincplated, yellow chromated

Stål



STD drawing 1054178, 1058009 ¹⁾, 1580432 ²⁾, 1584577 ³⁾

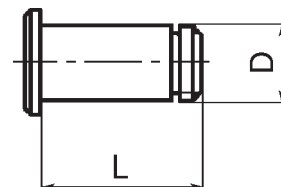
Dimension D x L	Artikel nr. Part No.	Dimension D x L	Artikel nr. Part No.
10x25	913140	10x70	952737
10x28	913142	12x32	913159
10x32	913144	12x40	913162
10x42	913148 ¹⁾	12,6x41,3	1580432 ²⁾
10x48	952733 ¹⁾	14x38	913177 ¹⁾
10x50	913150	14x40	913178
10x60	913152	20x134	1584577 ³⁾
10x65	913153		

Spårringsbult
Elförzinkade zink-järn, svartkromaterade

Stål

Retaining ring bolts
Electro-zincplated zinc-iron, black chromated

Stål



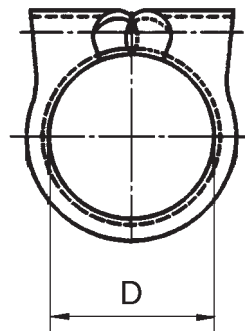
STD drawing 1052985

Dimension D x L	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
6x25	945415		
8x25,5	943684		
8x35,6	942290		
10x27	949755		

Klammor
Stål

Clamps
Steel

STD drawing 1053318



Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
27	949027		
41,5	191466		
45	192203		

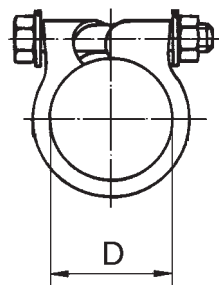
Klammor
Stål

Komplett klammor

Clamps
Steel

Assembled clamps

STD drawing 1052079



Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
36	966828		
56	976587		
58	975260		

Klammor zib

Elförzinkade zink-järn, svartkromaterade

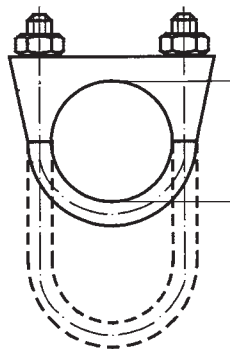
För avgasrör

Clamps zib

Electro-zincplated zinc-iron, black chromated

For exhaust pipes

STD drawing 1052722



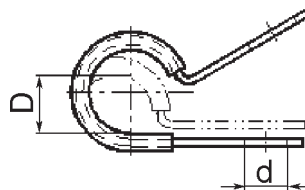
Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
35	968129		
45	949570		
51	944026		

Klammor

Gummiklädda

Clamps

Rubber coated



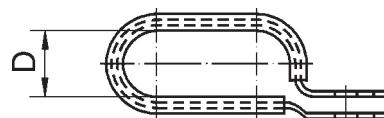
STD drawing 1052333, 1694129 ¹⁾, 1052369 ²⁾

Dimension D x d	Artikel nr. Part No.	Dimension D x d	Artikel nr. Part No.
3,2x6,8	952621 ²⁾	55x6,8	967656
4,8x6,8	952622 ²⁾	74x6,8	945543
4,8x10,4	947191	78x6,8	968336
6,4x6,8	952623 ²⁾		
7,9x6,8	952624 ²⁾		
7,9x10,4	942400		
9,5x6,8	952625 ²⁾		
9,5x9	945611		
9,5x10,4	942542		
11,1x6,8	952626 ²⁾		
11,1x10,4	946834		
12x9	978869		
12,7x6,8	952627 ²⁾		
12,7x9	949746		
14,3x6,8	952628 ²⁾		
15,9x6,8	952629 ²⁾		
15,9x9	949747		
17x9	1075138 ¹⁾		
17,5x6,8	952630 ²⁾		
17,5x10,4	942810		
18x9	1545433 ¹⁾		
19x6,8	952631 ²⁾		
20x9	1545432 ¹⁾		
20,6x6,8	952632 ²⁾		
22,2x6,8	952633 ²⁾		
23,5x9	1075139 ¹⁾		
23,8x6,8	952634 ²⁾		
23,8x9	949379		
24x9	862749 ¹⁾		
25,4x6,8	952635 ²⁾		
25,4x10,4	947827		
26x9	1545431 ¹⁾		
27x6,8	952636 ²⁾		
28,6x6,8	952637 ²⁾		
30,2x6,8	952638 ²⁾		
31,8x6,8	952639 ²⁾		
31,8x9	949997		
33,3x6,8	952640 ²⁾		
34,9x6,8	952641 ²⁾		
36,5x6,8	952642 ²⁾		
38,1x6,8	952643 ²⁾		
41x6,8	967645		
44x6,8	947457		
44x9	973944		
50,8x6,8	945734		

Klammor

Gummiklädda

Stål, För två eller flera rör eller elledningar



Clamps

Rubber coated

Steel, For two or more tubes or electric cables

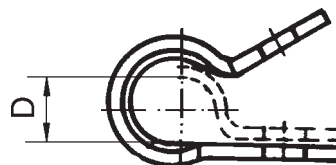
STD drawing 1053459

Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
12	948967		
22,2	968463		
27	968668		

Klammor zib

Elförzinkade zink-järn, svartkromaterade

Stål, För rör



Clamps zib

Electro-zincplated zinc-iron, black chromated

Steel, For tubes

STD drawing 1052758

Dimension D	Artikel nr. Part No.	Dimension D	Artikel nr. Part No.
4	18373	12	968200
5	121563	14	121604
5	190601	15	190229
6	946219	16	190886
6	940374	18	943121
8	18368	24	945557
10	18387	25	121598
10	191992	26	968508
11	942287	30	947829
12	190635	30	968124

Klammor zib

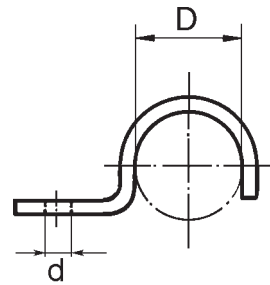
Elförzinkade zink-järn, svartkromaterade

Stål, För rör och slang

Clamps zib

Electro-zincplated zinc-iron, black chromated

Steel, For tubes and hoses



STD drawing 1052503

Dimension D x d	Artikel nr. Part No.	Dimension D x d	Artikel nr. Part No.
3x6,4	951186	14x6,4	951192
5x6,4	951187	16x6,7	957213
6x6,4	966258	16x6,7	951193
7x6,4	951188	19x6,7	951194
8x6,4	951189	20x6,7	966260
10x6,4	951190	22x6,7	951195
12x6,4	957211	15x9	977976
12x6,4	951191	22x9	977977

Klammor zib

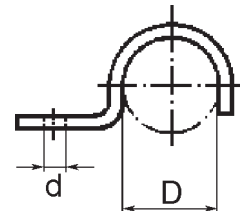
Elförzinkade zink-järn, svartkromaterade

Stål, För rör och slang

Clamps zib

Electro-zincplated zinc-iron, black chromated

Steel, For tubes and hoses



STD drawing 1054205

Dimension D x d	Artikel nr. Part No.	Dimension D x d	Artikel nr. Part No.
5x5,3	18335	35x9	967943
7x6,4	191487	37x6,4	944944
25x6,4	192345	47x6,4	947456
25x8,4	190397	60x6,4	948560
32x8,5	64183		

Klammor zib

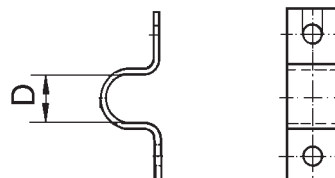
Elförzinkade zink-järn, svartkromaterade

Stål

Clamps zib

Electro-zincplated zinc-iron, black chromated

Steel



STD drawing 1052239

Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
26	980424		
32	944284		
50	339637		
60	1193941		
82	18961		

Klammor zib

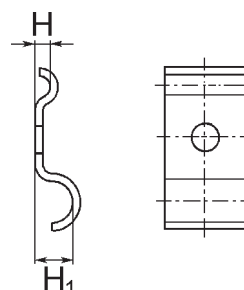
Elförzinkade zink-järn, svartkromaterade

Stål

Clamps zib

Electro-zincplated zinc-iron, black chromated

Steel



STD drawing 1054071, 1691661 ¹⁾

Dimension H x H ₁	Artikel nr. Part No.	Dimension H x H ₁	Artikel nr. Part No.
4x4	18376	9,2x20	191624
4x4	942610	13x13	1075024 ¹⁾
8x8	941492	15x15	121580
8x8	18962	18x18	942421
3x3	402404	18x18	966687
10x12	190853	20x20	1075025 ¹⁾
9x10,5	941486		

Klammor

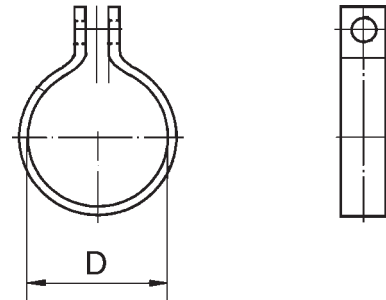
Elförzinkade zink-järn, svartkromaterade

Stål

Clamps

Electro-zincplated zinc-iron, black chromated

Steel



STD drawing 1057711, STD 17162,4051 ¹⁾

Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
22	949806 ¹⁾		
50	968581		
60	949273		
63	941260		

Klammor

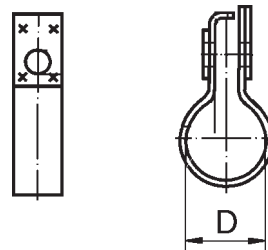
Stål

Obehandlade alt lackerade

Clamps

Steel

Untreated or painted



STD drawing 1052636

Dimension D	Artikel nr. Part No.	Dimension D	Artikel nr. Part No.
51	192659	89	941336
53,5	191077	92	191297 ¹⁾
60	941434	102	192047
63	32446	105	191956
66	30874	115	967960
79	191296		

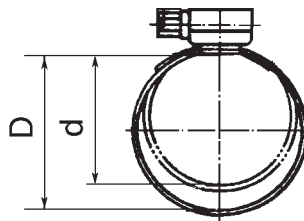
1) Painted

Slangklämmor

Stål, Aluminium-zinkbeläggning
Med snäckskruv

Hose clamps

Steel, Aluminium-zinc coating
With worm screw



STD drawing 1052352, 1052957 ¹⁾

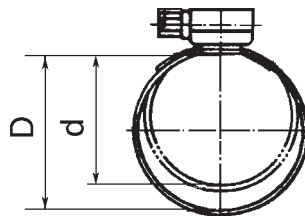
Dimension B x d - D	Artikel nr. Part No.	Dimension B x d - D	Artikel nr. Part No.
9 x 8-14	943469	12 x 44-56	943478
9 x 11-16	943470	12 x 50-65	943479
12 x 13-20	943471	9 x 58-75	967765 ¹⁾
12 x 15-24	943472	12 x 58-75	943480
12 x 19-28	943473	9 x 68-85	967764 ¹⁾
12 x 22-32	943474	12 x 77-95	943482
12 x 26-38	943475	12 x 104-138	943484
12 x 32-44	943476	12 x 130-165	943485
12 x 38-50	943477	12 x 175-205	942921

Slangklämmor

Rostfritt stål
Med snäckskruv

Hose clamps

Stainless steel
With worm screw



STD drawing 1052944

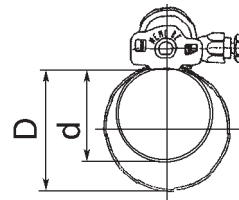
Dimension B x d - D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
12 x 87-112	961676		
12 x 150-180	961907		

Slangklämmor

Rostfritt stål
Med bandbredd 9 mm

Hose clamps

Stainless steel
With band width 9 mm



STD drawing 1052044

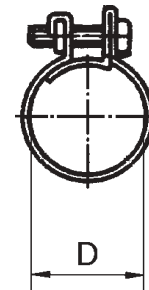
Dimension d – D	Artikel nr. Part No.	Dimension d – D	Artikel nr. Part No.
12 – 22	980127	70 – 90	980136
16 – 27	980128	80 – 100	980137
20 – 32	980129	90 – 110	980138
23 – 35	980130	100 – 120	980139
30 – 45	980131	120 – 140	980141
32 – 52	980132	130 – 150	980142
40 – 60	980133	140 – 160	980143
50 – 70	980134	160 – 200	8155811
60 – 80	980135		

Slangklämmor

Stål, Aluminium-zinkbeläggning
Typ Mini med sextandhålskruv. Bandbredd 9 mm

Hose clamps

Steel, Aluminium-zinc coating
Type Mini with six point socket screw. Band width 9 mm



STD drawing 1052353, 1052983 ¹⁾

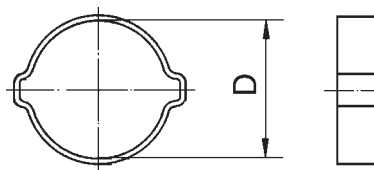
Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
9	976572		
10	976573		
11	14212058 ¹⁾		
12	976574		
13	975270 ¹⁾		
14	976576		

Slangklamma

Typ Oetiker

Hose clamp

Type Oetiker



STD drawing 1053253

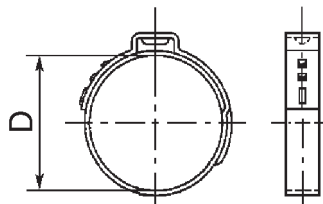
Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
15,3	942458		

Slangklämmor

Typ Oetiker "Stepless"

Hose clamp

Type Oetiker "Stepless"



STD drawing 1052080

Dimension D	Artikel nr. Part No.	Dimension	Artikel nr. Part No.
23,9 – 27,1 39,3 – 42,5	978176 978185		

Konsoler raka

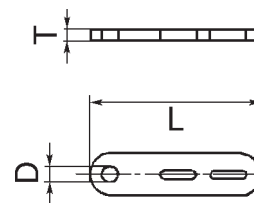
Elförzinkade zink-järn, svartkromaterade

Stål

Brackets straight

Electro-zincplated zinc-iron, black chromated

Steel



STD drawing 1052859

Dimension S x D x L x T	Artikel nr. Part No.	Dimension S x D x L x T	Artikel nr. Part No.
1x9x72x3	965534	2x11x112x3	965541
1x11x72x3	965535	2x14,2x112x3	965542
1x14,2x72x3	965536	3x11x142x3	965544
1x9x92x3	965537	3x14,2x142x3	965545
1x11x92x3	955538	4x9x192x3	965546
1x14,2x92x3	965539	4x11x192x3	965547
2x9x112x3	965540		

Konsoler 45°

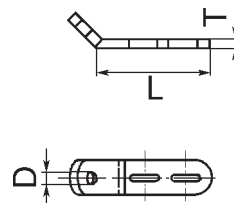
Elförzinkade zink-järn, svartkromaterade

Stål

Brackets 45°

Electro-zincplated zinc-iron, black chromated

Steel



STD drawing 1052861

Dimension S x D x L x T	Artikel nr. Part No.	Dimension S x D x L x T	Artikel nr. Part No.
1x9x40x3	965570	3x9x110x3	965579
1x11x40x3	965571	3x11x110x3	965580
1x14,2x40x3	965572	3x14,2x110x3	965581
1x14,2x60x3	965575	4x14,2x160x3	965584
2x14,2x80x3	955577		

Konsoler 90°

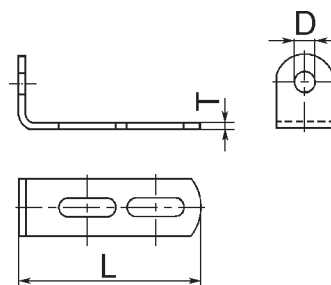
Elförzinkade zink-järn, svartkromaterade

Stål

Brackets 90°

Electro-zincplated zinc-iron, black chromated

Steel

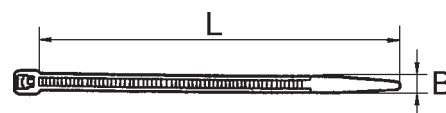


STD drawing 1052860

Dimension S x D x L x T	Artikel nr. Part No.	Dimension S x D x L x T	Artikel nr. Part No.
1x9x40x3	965552	3x9x110x3	965561
1x11x40x3	965553	3x11x110x3	965562
1x9x60x3	965555	3x14,2x110x3	965563
1x11x60x3	965556	4x9x160x3	965564
1x14,2x60x3	955557	4x11x160x3	965565
2x9x80x3	965558	4x14,2x160x3	965566
2x11x80x3	965559	5x9x190x4	965567
2x14,2x80x3	965560	5x14,2x190x4	965569

**Buntband med fast låshuvud
och 90° ingång, ej öppningsbar.**

Material: Nylon 6/6
Temperaturområde: -40°C till +85°C
Färg: Svart



**Cable tie with non-flexible fastener head
and 90° insertion, non-openable**

Material: Nylon 6/6
Temperature range: -40°C to +85°C
Colour: Black

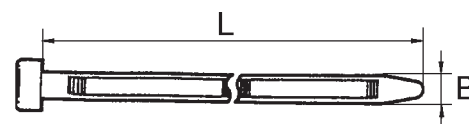
STD drawing 1052354

Dimension L x B	Artikel nr. Part No.
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95x2,5	948702
150x3,5	9813495
200x3,5	966720
270x4,6	948211
385x4,6	9813496
385x7,6	980464
750x7,6	949902
540x13	978435

**Buntband med rörligt låshuvud för
enhålsmontage, delvis öppningsbar.**

Material: Nylon 6/6
Temperaturområde: -40°C till +85°C
Färg: Svart



**Cable tie with flexible fastener head for single-
hole tie-up, partly openable**

Material: Nylon 6/6
Temperature range: -40°C to +85°C
Colour: Black



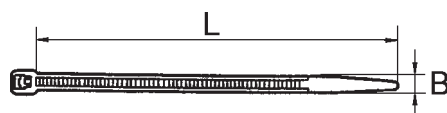
STD drawing 1052354

Dimension L x B	Artikel nr. Part No.
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375x7,6	948616
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**Buntband med fast låshuvud
och 90° ingång, ej öppningsbar.**

Material: Värmebeständigt Nylon 46
Temperaturområde: -40°C till +140°C
Färg: Grå



**Cable tie with non-flexible fastener head
and 90° insertion, non-openable**

Material: Heat resistant Nylon 46
Temperature range: -40°C to +140°C
Colour: Grey

STD drawing 1058212

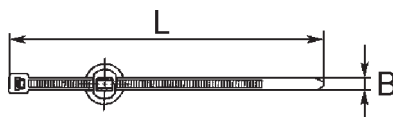
Dimension L x B	Artikel nr. Part No.
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150x3,6	983472
390x7,6	70312532 ¹⁾

1) Färg: Beige/Colour: Beige

**Buntband för montage i hål 6,5 H13,
ej öppningsbar**

Material: Nylon 6/6
Temperaturområde: -40°C till +85°C
Färg: Svart



**Cable tie for mounting in 6,5 hole H13,
non-openable**

Material: Nylon 6/6
Temperature range: -40°C to +85°C
Colour: Black

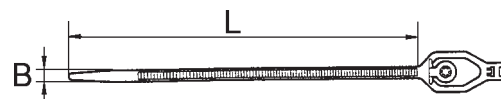
STD drawing 1052702

Dimension L x B	Artikel nr. Part No.
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205x4,6	980881
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**Buntband för montage på svetspinnskruv
typ T5x12, öppningsbar samt med låsrillor
för korrugerad slang.**

Material: Nylon 6/6
Temperaturområde: -40°C till +85°C
Färg: Svart



**Cable tie for mounting on weld pin screw type
T5x12, openable and with hold notches for
corrugated tubing.**

Material: Nylon 6/6
Temperature range: -40°C to +85°C
Colour: Black

STD drawing 1053543

Dimension L x B	Artikel nr. Part No.
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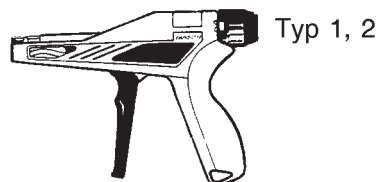
190x4,7	977990
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Bandkabeltång

Typ 1: För bandbredd 2,5-5 mm
Typ 2: För bandbredd 4,5-13 mm

Ribbon cable pliers

Type 1: For ribbon width 2,5-5 mm
Type 2: For ribbon width 4,5-13 mm



Typ Type	Artikel nr. Part No.
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1	9988477
2	9988478

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10479	130	102726	73	191077	219	400722	176
10496	148	117112	113	191130	165	402404	218
10504	154	117922	113	191169	165	679174	202
10506	155	118125	189	191172	165	862749	215
10507	155	120048	176	191174	210	905656	101
10761	146	120050	176	191179	178	907023	178
11958	165	120065	165	191246	163	907024	178
11975	165	120131	176	191276	162	907028	178
11978	165	120132	176	191296	219	907173	197
15176	184	120133	176	191297	219	907181	197
15193	184	120147	165	191391	162	907226	197
15260	184	120162	176	191451	203	907227	197
15264	184	120173	165	191453	203	907819	210
17432	200	120224	165	191454	203	907821	210
17461	200	120265	165	191466	213	907822	210
17624	148	120307	184	191475	201	907824	210
17723	203	120325	183	191487	217	907834	210
17942	105	120331	184	191491	164	907840	210
18335	217	120408	162	191542	96	907845	210
18368	216	120612	176	191624	218	907847	210
18373	216	120613	176	191695	191	907849	210
18376	218	120648	165	191812	70	907852	210
18387	216	120663	176	191836	176	907855	210
18603	165	121563	216	191837	176	907856	210
18634	165	121580	218	191894	148	907860	210
18670	168	121598	216	191940	165	907861	210
18702	165	121604	216	191956	219	907863	210
18725	165	130199	105	191968	196	907864	210
18891	181	130403	105	191987	149	907866	210
18895	181	131205	195	191992	216	907868	210
18961	218	131273	195	192041	165	907872	210
18962	218	131354	195	192047	219	907873	210
19656	146	131413	196	192123	167	907875	210
19730	195	150177	149	192125	188	907881	210
21660	195	150205	130	192185	149	907886	210
25417	113	153020	157	192203	213	907888	210
29869	165	190229	216	192272	149	907889	210
30874	219	190296	182	192289	166	907892	210
32446	219	190397	217	192318	96	907903	210
34614	176	190443	69	192341	165	913140	212
44141	176	190509	165	192345	217	913142	212
44142	176	190529	183	192354	164	913144	212
44381	185	190543	165	192413	142	913148	212
45544	176	190547	113	192463	176	913150	212
45545	176	190581	70	192464	176	913152	212
62109	183	190601	216	192465	176	913153	212
62218	176	190621	165	192477	165	913159	212
64183	217	190635	216	192498	69	913162	212
80506	176	190734	134	192546	69	913177	212
81383	176	190745	185	192557	162	913178	212
81384	176	190746	185	192591	164	914446	185
84218	176	190747	185	192642	182	914448	185
84219	176	190788	165	192659	219	914449	185
100222	59	190835	176	302156	190	914450	185
100223	59	190853	218	303534	176	914452	185
100338	59	190886	216	338888	149	914454	185
100773	59	190896	95	339637	218	914456	185
102041	69	191029	155	346690	105	914459	185
102720	73	191055	154	350039	149	914461	185

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914462	185	924075	105	940179	140	941907	173
914463	185	924076	105	940180	69	941908	173
914465	185	924078	105	940182	69	941909	173
914468	185	924082	105	940184	69	941911	173
914470	185	924083	105	940186	69	941912	173
914471	185	924087	105	940191	168	941913	173
914472	185	924088	105	940197	147	941914	173
914474	185	924089	105	940280	173	941916	173
914476	185	924092	105	940326	84	941917	173
914478	185	924094	105	940366	176	941939	69
914480	185	924096	105	940367	176	941962	162
914482	185	924098	105	940374	216	941975	162
914484	185	924101	105	940395	165	942001	84
914486	185	924112	105	941251	69	942088	176
914488	185	924119	105	941260	219	942133	171
914492	185	924130	105	941291	176	942134	171
914506	187	930760	161	941292	176	942135	171
914507	187	930761	161	941293	176	942136	171
914513	187	930846	167	941336	219	942140	171
914515	187	930851	167	941434	219	942141	171
914517	187	940090	165	941464	183	942142	171
914519	187	940092	140	941465	183	942143	171
914522	187	940094	69	941486	218	942144	171
914523	187	940098	69	941492	218	942145	171
914524	187	940100	69	941495	184	942146	171
914525	187	940101	58	941510	195	942148	171
914526	187	940108	174	941511	195	942149	171
914529	187	940109	180	941531	188	942150	171
914530	187	940111	71	941548	186	942151	171
914531	187	940113	69	941549	186	942153	171
914532	187	940114	69	941550	186	942154	171
914533	187	940115	69	941551	186	942155	171
914534	187	940116	69	941552	186	942157	171
914535	187	940117	69	941553	186	942159	171
914536	187	940118	145	941554	186	942160	171
914537	187	940119	140	941555	186	942161	171
914538	187	940121	180	941558	188	942163	171
914540	187	940122	148	941570	74	942164	171
914542	187	940133	69	941610	80	942167	184
914544	187	940135	69	941678	69	942180	172
914548	187	940136	69	941679	69	942181	66
914553	187	940140	144	941689	196	942182	66
914554	187	940142	58	941690	196	942184	207
914556	187	940143	180	941695	70	942247	84
921642	72	940145	140	941696	129	942267	73
921643	72	940147	180	941744	165	942268	69
921781	143	940152	141	941761	84	942286	136
921814	71	940153	141	941762	84	942287	216
921828	71	940154	141	941776	195	942290	212
921849	71	940155	180	941795	60	942299	128
921860	71	940156	69	941806	209	942314	84
921862	71	940157	140	941831	176	942332	186
924050	105	940158	69	941840	195	942333	186
924060	105	940159	69	941844	185	942336	173
924062	105	940160	69	941857	70	942338	69
924064	105	940161	69	941878	183	942356	165
924066	105	940162	69	941904	173	942357	165
924070	105	940175	142	941905	173	942385	172
924072	105	940176	140	941906	173	942400	215

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942402	55	943477	220	945408	121	946222	180
942410	179	943478	220	945414	46	946255	166
942421	218	943479	220	945415	212	946291	85
942458	222	943480	220	945444	46	946329	46
942524	69	943482	220	945467	152	946330	147
942529	69	943484	220	945474	111	946331	162
942542	215	943485	220	945477	187	946344	137
942547	69	943491	159	945477	187	946345	137
942566	113	943501	162	945479	187	946350	139
942574	172	943530	72	945481	187	946352	139
942598	165	943629	55	945490	187	946379	68
942603	179	943647	167	945497	185	946380	89
942604	179	943674	135	945499	185	946407	58
942605	179	943674	136	945502	185	946420	152
942610	218	943684	212	945504	185	946440	46
942668	207	943701	202	945506	185	946441	46
942670	207	943705	184	945509	185	946445	176
942672	207	943738	197	945542	137	946446	176
942679	207	943739	197	945543	215	946470	46
942723	185	943760	189	945544	165	946471	46
942767	179	943805	150	945557	216	946472	46
942803	73	943819	172	945588	113	946473	46
942810	215	944026	214	945589	113	946474	46
942844	172	944100	186	945592	113	946485	97
942866	162	944106	149	945606	176	946502	46
942878	66	944136	196	945611	215	946544	46
942879	67	944284	218	945626	162	946545	73
942914	148	944313	185	945627	71	946595	193
942915	194	944429	55	945647	103	946637	152
942921	220	944446	69	945672	74	946670	46
942934	165	944449	165	945673	165	946671	46
942992	185	944472	168	945676	152	946673	125
943000	207	944556	194	945683	96	946701	168
943033	171	944562	176	945698	69	946730	74
943121	216	944563	177	945703	67	946752	46
943144	74	944579	152	945717	192	946756	152
943318	185	944602	191	945718	192	946817	46
943319	185	944633	165	945719	192	946834	215
943320	185	944652	85	945733	176	946835	73
943321	185	944653	85	945734	215	946911	144
943322	171	944658	66	945780	192	946916	84
943349	171	944689	135	945872	165	946920	167
943350	171	944710	74	945884	136	946934	46
943353	202	944729	194	945988	137	946935	114
943361	177	944926	46	945989	152	947071	184
943393	72	944929	69	946007	152	947107	46
943394	72	944944	217	946008	139	947117	154
943395	72	944947	160	946035	136	947120	176
943407	191	944953	58	946048	177	947140	139
943409	172	944958	65	946094	86	947179	153
943467	189	944986	185	946109	137	947191	215
943469	220	945076	209	946149	152	947323	88
943470	220	945210	65	946173	46	947355	165
943471	220	945211	66	946175	127	947356	165
943472	220	945244	169	946177	80	947358	59
943473	220	945337	114	946178	113	947363	146
943474	220	945338	114	946214	162	947377	85
943475	220	945358	46	946219	216	947378	189
943476	220	945407	121	946220	96	947395	167

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947426	165	948570	138	949399	152	950020	81
947456	217	948571	162	949435	189	950021	81
947457	215	948576	166	949459	183	950022	81
947492	66	948577	166	949460	98	950023	81
947515	193	948592	176	949462	170	950024	81
947537	193	948593	176	949464	166	950025	81
947541	165	948594	176	949499	152	950026	81
947542	46	948599	176	949505	165	950027	81
947561	74	948606	105	949523	165	950028	81
947606	195	948616	225	949556	57	950029	81
947607	160	948645	124	949557	105	950033	81
947610	114	948647	81	949570	214	950034	81
947614	189	948685	129	949578	57	950035	81
947694	160	948702	225	949650	199	950044	81
947757	170	948707	162	949652	57	950045	81
947760	46	948727	83	949689	186	950046	81
947767	114	948746	57	949702	110	950047	81
947790	46	948794	132	949708	47	950048	81
947818	58	948813	165	949715	86	950049	81
947827	215	948823	165	949746	215	950050	81
947829	216	948834	139	949747	215	950051	81
947842	147	948835	139	949755	212	950059	81
947853	165	948836	139	949768	58	950110	82
947855	124	948871	177	949787	185	950113	82
947941	146	948878	58	949788	185	950143	82
947963	85	948880	165	949789	189	950144	82
947970	158	948890	155	949793	47	950145	82
947971	158	948902	123	949806	219	950146	82
947972	158	948932	105	949817	165	950147	82
948003	114	948951	98	949825	176	950158	82
948039	46	948967	216	949826	176	950162	82
948069	58	948971	139	949827	176	950197	82
948073	195	948999	185	949828	176	950217	82
948081	61	949020	195	949846	57	950223	82
948087	165	949027	213	949847	130	950255	82
948088	59	949044	85	949853	47	950352	151
948093	165	949072	176	949857	98	950353	151
948180	114	949073	176	949867	161	950354	151
948211	225	949074	176	949869	177	950355	151
948217	46	949102	170	949870	184	950356	151
948222	210	949145	58	949872	186	950357	151
948241	198	949164	85	949873	177	950359	151
948315	165	949179	114	949874	124	950361	151
948332	139	949199	47	949886	69	950366	151
948336	47	949200	58	949888	57	950368	151
948345	85	949231	59	949894	57	950372	151
948356	46	949245	114	949895	107	950373	151
948360	176	949273	219	949902	225	950374	151
948371	146	949278	124	949909	189	950375	151
948386	113	949302	85	949921	161	950376	151
948387	85	949319	95	949937	161	950377	151
948396	85	949321	185	949948	66	950378	151
948436	59	949324	189	949997	215	950379	151
948439	101	949335	61	950003	81	950382	151
948477	113	949365	165	950004	81	950383	151
948532	146	949377	160	950007	81	950384	151
948556	165	949379	215	950011	81	950386	151
948560	217	949380	186	950013	81	950388	151
948569	138	949394	165	950015	81	950499	195

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950525	195	951672	151	952622	215	953102	105
950533	195	951774	157	952623	215	953103	105
950543	195	951925	198	952624	215	953104	105
950544	195	951935	198	952625	215	953105	105
950549	195	951944	198	952626	215	953107	105
950562	195	951946	198	952627	215	953109	105
950566	195	951947	198	952628	215	953111	105
950574	195	951950	198	952629	215	953115	105
950578	195	951951	198	952630	215	953224	107
950586	195	951954	198	952631	215	953226	107
950588	195	951955	198	952632	215	953229	107
950592	195	951956	198	952633	215	953236	107
950600	195	951957	198	952634	215	953241	107
950612	195	951958	198	952635	215	953243	107
950613	195	951959	198	952636	215	953245	107
950619	195	951960	198	952637	215	953249	107
950625	195	951961	198	952638	215	953256	107
950628	195	951963	198	952639	215	953257	107
950643	195	951965	198	952640	215	953259	107
950645	195	951967	198	952641	215	953261	107
950650	195	951968	198	952642	215	953267	107
950659	195	951969	198	952643	215	953272	107
950675	195	951970	198	952733	212	953277	107
950677	195	951971	198	952737	212	953280	107
950679	195	951972	198	952991	105	953287	107
950681	195	951973	198	952993	105	953293	107
950683	195	951974	198	952995	105	953316	107
950711	195	951975	198	952997	105	953317	107
950887	101	951976	198	952998	105	953345	107
950889	101	951977	198	953000	105	953348	107
950891	101	951978	198	953001	105	953351	107
951075	185	951979	198	953014	105	953353	107
951077	185	951980	198	953031	105	953354	107
951078	185	951981	198	953032	105	953357	107
951079	185	951982	198	953035	105	953452	107
951080	185	951983	198	953040	105	953455	107
951082	185	951985	198	953042	105	953475	107
951085	187	951988	198	953043	105	953486	107
951086	187	951989	198	953044	105	953488	107
951087	187	951990	198	953045	105	953490	107
951186	217	951991	198	953047	105	953492	107
951187	217	951994	198	953049	105	953494	107
951188	217	951999	198	953051	105	953495	107
951189	217	952001	198	953053	105	953496	107
951190	217	952002	198	953055	105	953497	107
951191	217	952008	198	953058	105	953499	107
951192	217	952021	198	953059	105	953504	107
951193	217	952025	198	953064	105	953505	107
951194	217	952050	198	953067	105	953517	107
951195	217	952052	198	953069	105	953519	107
951207	131	952458	200	953071	105	953521	107
951354	104	952481	200	953073	105	953522	107
951662	193	952495	200	953075	105	953524	107
951666	193	952496	200	953077	105	953525	107
951667	193	952523	200	953080	105	953526	107
951668	193	952529	200	953082	105	953527	107
951669	193	952530	200	953096	105	953531	107
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953579	107	955382	58	955546	69	955725	71
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955126	95	955386	59	955550	69	955735	71
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955133	95	955392	59	955554	69	955757	71
955140	95	955393	59	955555	69	955778	130
955142	95	955394	59	955556	69	955779	130
955154	95	955395	59	955557	69	955780	130
955161	95	955396	59	955557	224	955781	130
955163	95	955397	59	955558	69	955782	130
955164	95	955398	59	955559	69	955785	130
955167	95	955399	59	955560	69	955787	130
955174	95	955400	59	955561	70	955789	131
955245	58	955401	59	955562	70	955792	144
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955254	58	955405	59	955564	70	955794	144
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955269	58	955409	59	955566	70	955800	131
955271	58	955412	59	955567	70	955801	130
955272	58	955413	59	955568	70	955802	131
955273	58	955414	59	955569	70	955803	130
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955275	58	955418	59	955572	70	955805	131
955281	58	955510	69	955575	70	955806	130
955282	58	955511	69	955576	70	955807	131
955284	58	955512	69	955577	70	955808	131
955285	58	955513	69	955577	223	955817	133
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955288	58	955515	69	955579	70	955822	146
955289	58	955516	69	955580	70	955823	145
955295	58	955517	69	955581	70	955825	140
955297	58	955518	69	955582	70	955826	140
955299	58	955519	69	955583	70	955827	140
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955302	58	955524	69	955587	70	955829	140
955304	58	955525	69	955589	70	955830	140
955336	58	955526	69	955590	70	955834	145
955338	58	955527	69	955591	70	955835	145
955349	58	955528	69	955592	70	955838	145
955361	58	955528	69	955593	70	955839	145
955362	58	955529	69	955598	70	955844	141
955363	58	955530	69	955604	70	955846	141
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955365	58	955532	69	955636	71	955848	141
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955890	165	956096	79	959194	84	959821	70
955891	165	956103	79	959197	84	959823	70
955892	165	956105	79	959202	84	959825	70
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955903	165	956202	80	959227	84	960136	165
955904	165	956207	80	959229	84	960137	165
955905	165	956231	80	959230	84	960138	165
955906	165	956233	80	959231	84	960143	165
955907	165	956244	80	959236	84	960144	165
955914	165	956266	81	959238	84	960145	165
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955920	174	956542	89	959242	84	960703	73
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955929	174	956571	89	959260	84	960932	108
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955964	185	958240	95	959668	60	961649	197
955965	185	958241	95	959731	60	961652	197
955970	187	958242	95	959737	60	961676	220
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956046	79	958291	95	959751	60	961997	133
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956050	79	958725	83	959793	69	962654	169
956052	79	959058	175	959794	69	962658	169
956053	79	959060	175	959795	69	962660	169
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962819	60	963224	62	964850	211	965197	46
962825	60	963228	62	964851	211	965201	46
962827	60	963229	63	964855	211	965211	46
962932	102	963231	63	964856	211	965212	46
962933	102	963243	63	964857	211	965213	46
962937	102	963246	63	964858	211	965215	46
962942	102	963253	63	964859	211	965216	46
962946	102	963263	107	964860	211	965217	46
962964	102	963284	64	964861	211	965218	46
962976	103	963300	63	964862	211	965219	46
962988	103	963302	64	964863	211	965220	46
963005	103	963309	62	964864	211	965221	46
963017	103	963310	62	964865	211	965222	46
963025	103	963312	62	964866	211	965223	46
963049	102	963315	63	964867	211	965225	46
963054	102	963316	62	964875	211	965226	46
963057	102	963323	62	964876	211	965227	46
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963062	102	963335	62	964883	211	965354	97
963077	102	963338	63	964887	211	965365	97
963096	135	963340	62	964888	211	965396	97
963103	135	963342	62	964889	211	965399	97
963104	135	963343	62	964890	211	965442	82
963105	135	963344	62	964895	211	965483	121
963106	135	963346	62	964904	211	965534	223
963110	135	963347	62	964907	211	965535	223
963111	135	963350	62	964909	211	965536	223
963117	135	963548	74	964931	211	965537	223
963119	135	963554	74	964932	211	965539	223
963121	135	963556	74	964935	211	965540	223
963123	135	963692	90	964936	211	965541	223
963162	114	963697	90	964937	211	965542	223
963163	114	963699	90	965036	112	965544	223
963164	114	963700	90	965047	112	965545	223
963165	114	963832	113	965049	112	965546	223
963166	114	963835	113	965057	112	965547	223
963167	114	963840	113	965060	112	965552	224
963168	114	963841	113	965062	112	965553	224
963169	114	963842	113	965175	46	965555	224
963170	114	963844	113	965176	46	965556	224
963171	114	963850	113	965177	46	965558	224
963172	114	963851	113	965178	46	965559	224
963173	114	963854	113	965180	46	965560	224
963174	114	963860	113	965181	46	965561	224
963175	114	963862	113	965182	46	965562	224
963176	114	963868	113	965183	46	965563	224
963177	114	963915	131	965184	46	965564	224
963178	114	963923	139	965185	46	965565	224
963179	114	964830	211	965186	46	965566	224
963180	114	964832	211	965187	46	965567	224
963181	114	964833	211	965188	46	965569	224
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965591	207	966818	121	968288	47	969148	155
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965944	113	967658	85	968508	216	969405	75
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966238	193	967731	47	968553	46	969409	75
966240	193	967760	46	968581	219	969410	75
966258	217	967764	220	968589	47	969411	75
966260	217	967765	220	968591	47	969418	75
966356	46	967786	51	968592	47	969420	75
966357	47	967820	85	968593	47	969422	75
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966360	47	967933	188	968662	68	969428	75
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966362	47	967949	47	968682	46	969431	75
966363	47	967951	105	968699	46	969436	75
966364	47	967960	219	968726	74	969437	75
966365	47	967961	170	968753	47	969438	75
966366	47	967965	86	968825	189	969439	75
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966647	148	968128	148	968893	46	969470	92
966648	148	968129	214	968902	51	969473	92
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969518	75	970973	58	972049	94	973967	46
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969578	75	970989	58	972081	93	974324	51
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969591	75	970996	58	972092	93	974614	51
969598	75	970997	58	972097	93	974615	51
969599	75	970998	58	972125	93	974815	113
969600	75	971010	58	972135	93	974819	113
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969722	77	971068	133	972150	93	974835	113
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969735	77	971071	130	972181	93	974841	113
969737	77	971072	130	972186	93	974850	113
969738	77	971073	130	972190	93	974871	113
969739	77	971080	144	972240	93	974872	113
969754	77	971081	144	972291	94	974873	113
969756	77	971082	144	972293	94	974879	113
969788	77	971083	136	972296	94	974885	113
969791	77	971084	136	972321	99	974896	113
969800	77	971085	136	972395	92	974900	113
969802	77	971086	138	972409	91	974902	113
969809	77	971088	138	972426	91	974906	113
969817	77	971089	135	972542	91	974932	113
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969842	77	971097	121	973075	61	975107	51
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970903	62	971335	76	973250	58	975122	51
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