

Structural
timber
applications

Timber Construction Fasteners

The building envelope specialist



Flat Roofing

SFS has been at the forefront for setting standards in the mechanical fastening of membranes and insulation on flat roofs for over 50 years.

Roofing and Cladding

A pioneer in self-drilling and threading fasteners for roofing and cladding, offering a wide spectrum of products, backed up by comprehensive technical expertise.

Timber Construction

SFS manufacture customised fastening solutions for timber construction, providing robust designs that meet the latest standards.

Rainscreen Support Systems

Manufacture of Rainscreen Support Systems that are safe, economic and effective for use across a wide range of building types.

Hinge Technology and Fenestration

SFS manufacturers high quality hinges for internal and external doors and windows across a wide range of material types including UPVC, timber, composite and metal.

Fall Protection

The innovative fall protection systems developed by SFS protect people who work at heights.





Creative construction

**Economical and efficient -
SFS has a range of customised
fastening solutions for timber
construction, allowing a safe and
efficient design without compromise.**

Structural timber construction

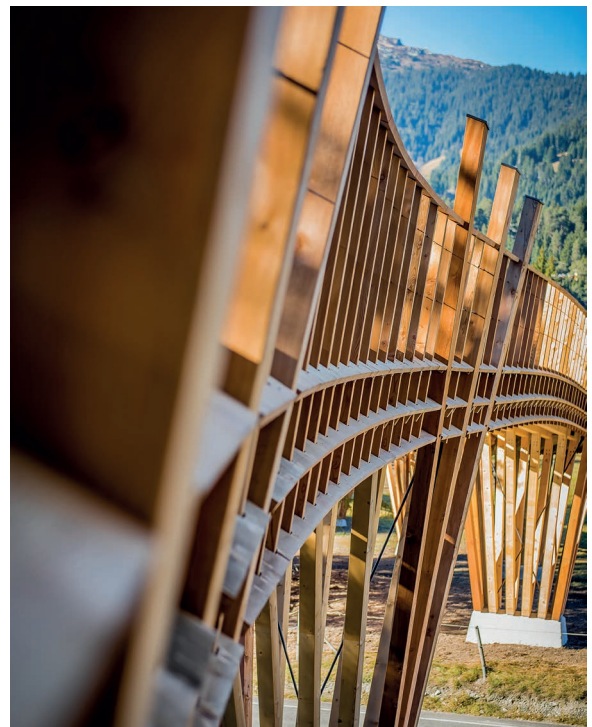
The fasteners available from SFS provide technical solutions for structural joints and reinforcements in today's timber construction. The depth of range provides designers with a selection of innovative products allowing design concepts to be realised.

- Wide range of applications
- Very high load capacity
- Fast, safe and economical installation
- Systems with physical and aesthetic advantages
- Reliable design aids

A complete range for the installer

With new, powerful fasteners covering a greater application range SFS's extensive product portfolio offers added value for designers and installers alike:

- Varied application area
- Revolutionary thread geometry
- Uncompromising product offering
- Simple and reliable design





Technical & design aids

With a user friendly software platform 'SFS Designer', and comprehensive technical datasheets, you have all the information and support required during the design.

Our added value service

SFS provides a comprehensive support with our team available during the design and installation phase.

Our design tool SFS Designer creates an individual project specific output verified against ETA values.

Outlining which product to use, spacing and installation requirements to help provide a successful installation.

Comprehensive range of accessories

SFS provide a complete range of accessories to aide a successful installation, from individual drive sockets/bits to complete mounting systems we have the solution.

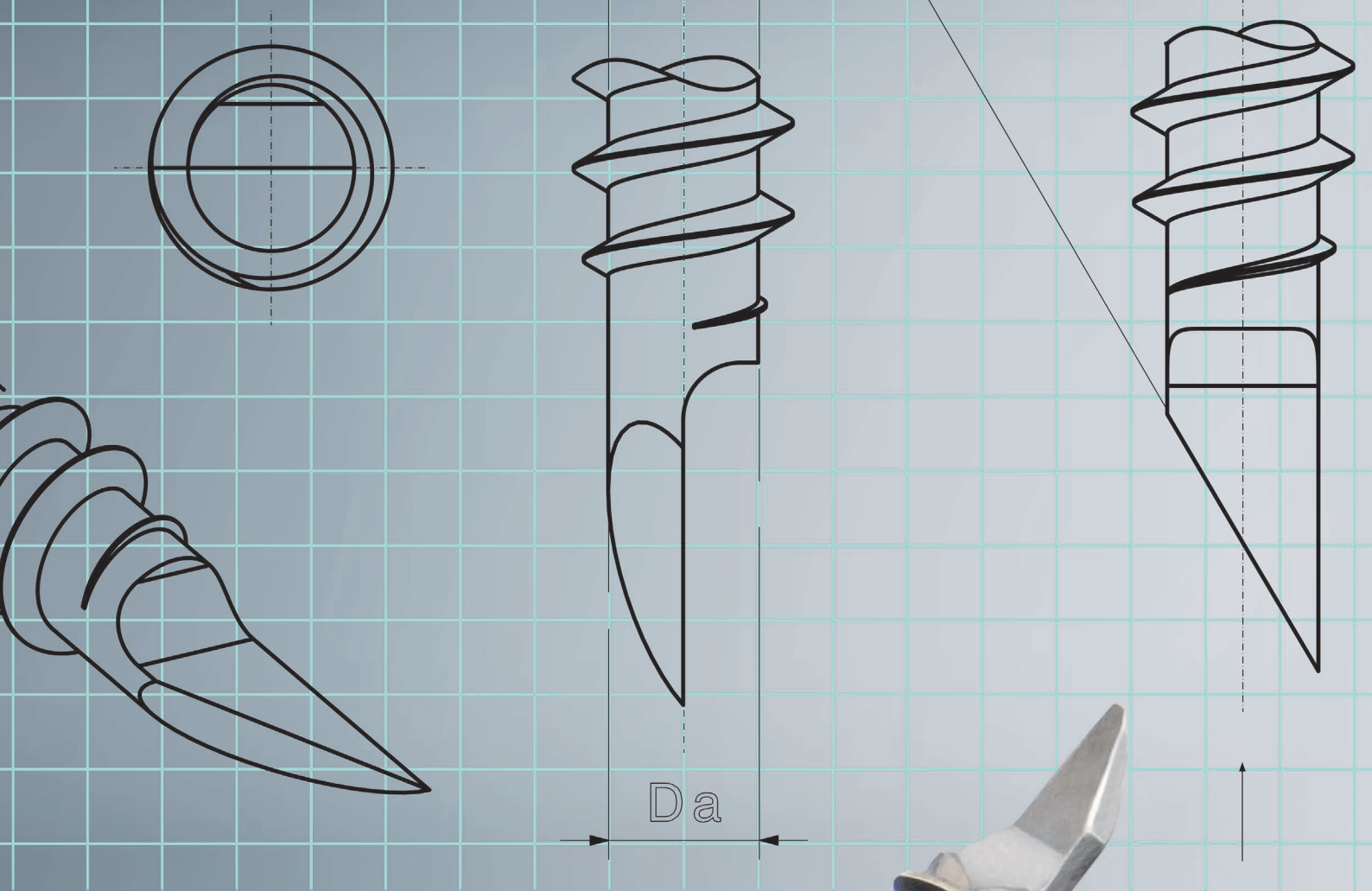
Additional information

All documentation is available to download from www.sfsintec.co.uk

- Approvals and Declarations of Performance (DoP)
- Datasheets
- SFS Designer
- Product literature

Or speak to us directly:

SFS Group Fastening Technology Ltd.
Division Construction
153 Kirkstall Road
Leeds, LS4 2AT
0113 2085 500
uk.info@sfsintec.biz



Revolu
tionary
thread
geometry

Overview

Designed with a wide range of variants ensuring a suitable fastener is available for your project, all providing an economic and long lasting solution.

Countersunk head



Cylindrical head



Full thread



Double thread



External Torx



Cylindrical countersunk head



Thread with drill-tip



Product code

Type d l
WT - T - 8,2 x 220

Overall length

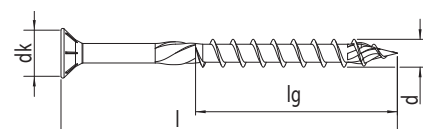
Diameter - outer thread

Material

T = Tempered steel
S = Stainless steel
HP = High-Performance coating

Product family

WT = with double thread
WR = with full thread
WB = threaded rod
WS = self-drilling dowel
VB = timber-concrete-composite
UD = roof-insulation
SCS = winged drill fastener



Legend

d Diameter **lg** Thread length
l Length **dk** Head diameter

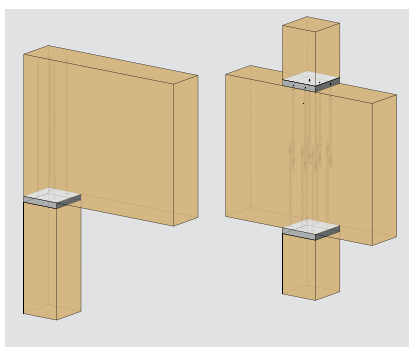
All measurements in mm



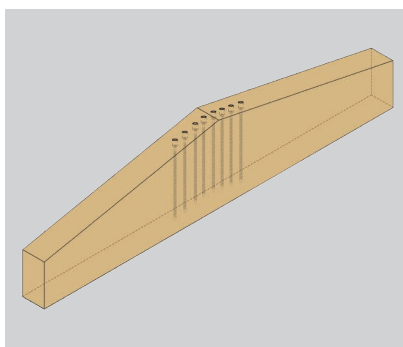
Applications

Typical applications in today's structural timber construction.

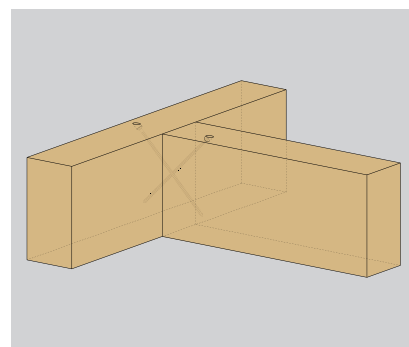
Support reinforcement



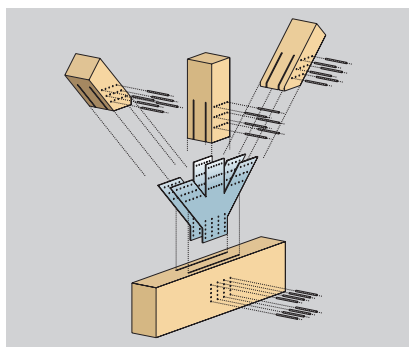
Gable roof



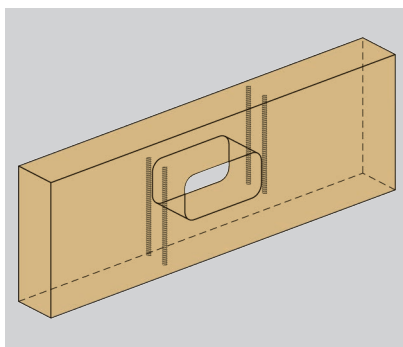
Main sub-beam



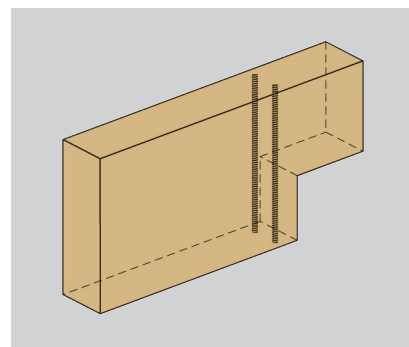
Trussed beam



Openings



Notches



European Technical Assessment (ETA)

ETA provides the basis for the required CE conformity of the products and thus enables Europe-wide distribution. The associated Declarations of Performance are also available.



German Building Inspectorate Approval

The German Institute for Construction Technology (DiBT) has a nationally valid approval for the product or the product group. The Ü-sign denotes compliance with the requirements defined in the approval.



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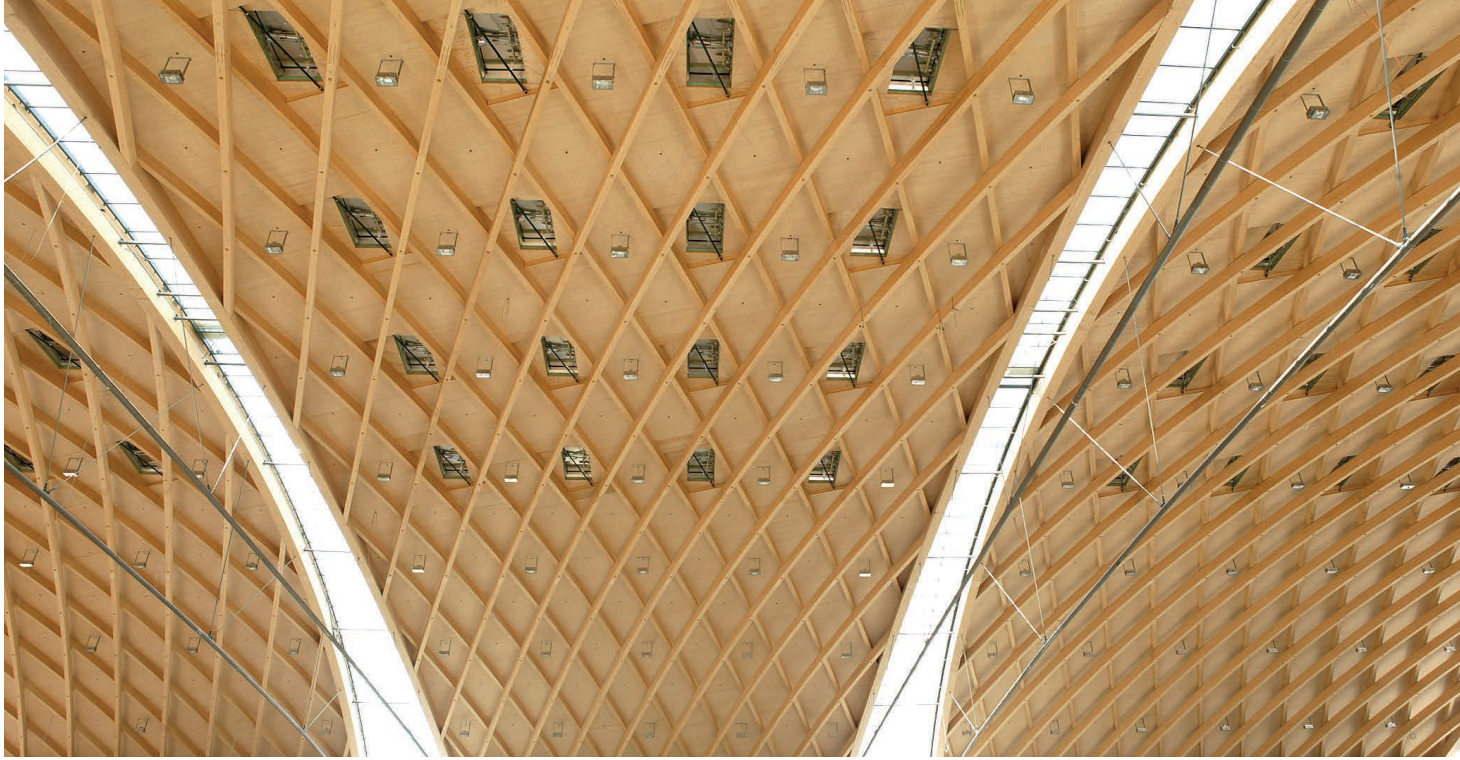
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Timber Fastener WT

The powerful double thread fasteners for the permanent connection of wooden components.

Thanks to the revolutionary SMARTBITE wood drill tip, the WT system is reliable even in difficult mounting positions. Compared to conventional fasteners the design and installation speed is faster and more precise. The low screw-in torque combined with high load capacity of the fastener create a solution for innovative design concepts in timber construction.

The galvanized surfaces (blue zinc) have a thickness-layer of 8µm which meets the requirements for minimum layer thicknesses (see EN14592). The unique thread geometry ensures a contraction of the components and the very small edge and spacing distances provide efficient constructions for your projects.

Product Information

- Very high load transfer
- Fast installation
- Contracting effect
- Low edge and spacing distances

Design

SFS provides guidance during the design and construction phase. Use the SFS Designer software to calculate dimensioning for your project.



ETA-12/0063

Small cylindrical head

For a simple and visually appealing installation without splitting

High load capacity

This powerful fastener allows high safety allowing transfer of large forces and optimal installation time.

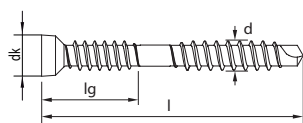
Innovative double thread

The contraction effect of the thread geometry allows a tight attachment of both components

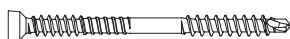
Special tip

Noticeable reduction in the risk of wood-splitting together with faster installation speed

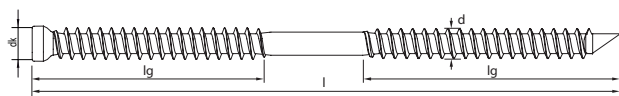
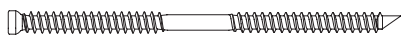


WT-T

Cylindrical head | TX drive | Double thread | Durocoat®

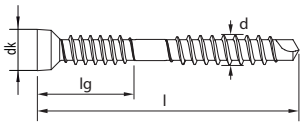


Product code			lg	dk	Drive	VPE	Article number
Type	d	l					
WT-T	4,5x	40	2 x 15	7,0	T-20	200	761067
WT-T	4,5x	60	2 x 17	7,0	T-20	200	743430
WT-T	4,5x	70	2 x 25	7,0	T-20	200	1070059

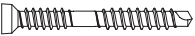
Cylindrical head | TX drive | Double thread |
Galvanised blue (A2K)

Product code			lg	dk	Drive	VPE	Article number
Type	d	l					
WT-T	6,5x	65	2 x 28	8,0	T-30	100	1564428
WT-T	6,5x	90	2 x 40	8,0	T-30	100	1564429
WT-T	6,5x	130	2 x 55	8,0	T-30	100	1594438
WT-T	6,5x	160	2 x 65	8,0	T-30	100	1564441
WT-T	6,5x	190	2 x 80	8,0	T-30	100	1564442
WT-T	6,5x	220	2 x 95	8,0	T-30	100	1564443
WT-T	8,2x	160	2 x 65	10,0	T-40	100	1564444
WT-T	8,2x	190	2 x 80	10,0	T-40	100	1564446
WT-T	8,2x	220	2 x 95	10,0	T-40	50	1564447
WT-T	8,2x	245	2 x 107	10,0	T-40	50	1564449
WT-T	8,2x	275	2 x 122	10,0	T-40	50	1564461
WT-T	8,2x	300	2 x 135	10,0	T-40	50	1564463
WT-T	8,2x	330	2 x 135	10,0	T-40	50	1564464

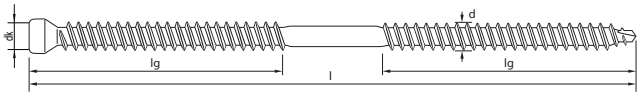
WT-S



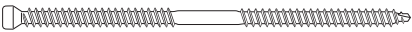
Cylindrical head | TX drive | Double thread | Stainless steel A2



Product code			lg	dk	Drive	VPE	Article number
Type	d	l					
WT-S-	5,0x	45	2 x 17	7,0	T-20	200	1013500
WT-S-	5,0x	60	2 x 17	7,0	T-20	200	1013270
WT-S-	5,0x	70	2 x 17	7,0	T-20	200	1070057



Cylindrical head | TX drive | Double thread | Stainless steel A2



Product code			lg	dk	Drive	VPE	Article number
Type	d	l					
WT-S-	6,5x	65	2 x 28	8,0	T-30	100	1501737
WT-S-	6,5x	90	2 x 40	8,0	T-30	100	1501738
WT-S-	6,5x	130	2 x 55	8,0	T-30	100	1501739

As a specialist in fastening technology, we invest daily in first class quality and extensive service.

As your partner for innovative fastening solutions around the building envelope, we offer you our product solutions and comprehensive services.

So you get the benefit, many of our services are free of charge.



Download
from:
sfsintec.co.uk



Contact partner that you understand:

The building envelope specialists.



Confidence in reliable quality:

We have our own network of certified production locations.



The sure way to the right fastening solution:

Simple planning aids at every project phase.



Dependable functionality:

Tested in our own facilities and on site.



Always a step ahead:

Global network with regional know-how.



Always the right fastening system:

Advice and support, any time, anywhere.



Economy and safety ensured:

Complete systems with comprehensive range of services.



Highly reliable delivery through local presence:

Worldwide supply chain management.



Timber Fastener WR

The full thread fastener for powerful connections and reinforcements

The high efficiency of the WR fastener paired with fast and reliable installation allow an efficient and secure connection and reinforcements in structural timber construction.

The installation takes place in one operation, no pre-drilling is required. A variety of complex applications can be realized which was previously possible only by very expensive and costly solutions. This allows a single fastener to be used in one operation where previously a number of operations were required. This simplification provides savings in design and installation, the extensive planning documents complete the package.

Product Information

- Up to 1000mm in length
- No pre-drilling required
- High corrosion resistance
- High technical values
- Low tendency to crack with low edge and spacing distances



Countersunk head

Ready to countersink in the wood and for safe installation of metal attachments

Efficient full thread

Very high efficiency of thread in lengths up to 1,000mm at the same time with fast installation speed

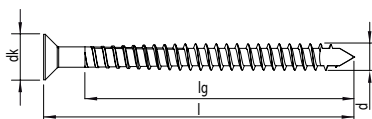
High corrosion protection

The Durocoat® coating offers a significant increased corrosion resistance in a variety of applications

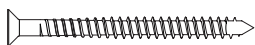
Special tip

Allowing less splitting in the wood as well as low edge and center distances, this allows slim components to be used



WR-T

Countersunk head | TX drive | Full thread | Durocoat®



Product code			lg	dk	Drive	VPE	Article number
Type	d	l					
WR-T-	9,0x	250	230	14,0	T-40	50	1512718
WR-T-	9,0x	300	280	14,0	T-40	50	1512719
WR-T-	9,0x	350	330	14,0	T-40	50	1512741
WR-T-	9,0x	400	380	14,0	T-40	50	1490435
WR-T-	9,0x	450	430	14,0	T-40	50	1490436
WR-T-	9,0x	500	480	14,0	T-40	50	1490437
WR-T-	13,0x	400	380	22,0	T-50	25	1490438
WR-T-	13,0x	500	480	22,0	T-50	25	1490439
WR-T-	13,0x	600	580	22,0	T-50	25	1490461
WR-T-	13,0x	700	680	22,0	T-50	25	1490462
WR-T-	13,0x	800	780	22,0	T-50	25	1490463
WR-T-	13,0x	900	880	22,0	T-50	25	1490466
WR-T-	13,0x	1.000	980	22,0	T-50	25	1490468



Timber Fastener WB

The threaded rod for maximum efficiency in lateral tension reinforcements

With the WB system diverse applications become feasible. For example cross connections, breakthroughs, notches, connections, saddle roof beams with curved bottom strap, curved beams, main-secondary beam connections, etc. implemented extremely efficiently.

Thanks to the very high tensile strength, fewer threaded rods are needed. The loading transmission takes place exclusively via the toothing of thread - the time-consuming processing of gluing is eliminated. The fully embedded threaded rods are invisible after installation without impacting the roof structure. The option to have the product cut to a specific length and the extensive accessories offers the greatest possible application and customer benefits.

Product Information

- Headless threaded rod
- High tensile strength of 800N/mm²
- Available cut to length
- Easy application without glue
- Approved and monitored

Cut to length

We take care of the exact cut for you. Your advantages: no preliminary work, no cuttings, maximum economy.



Headless threaded rod

Fully embedment in the joint ensures no fouling on other components and allows high fire resistance

Powerful thread

The wood thread manufactured according to DIN 7998 offers a very high tensile strength of 800 N/mm²

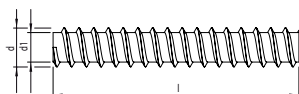


Cut to length

For a diverse range of applications and a reliable connection

Extensive range of accessories

Whether screw-in sleeves or drilling aids. Even demanding applications succeed efficiently and reliably

WB-T

Headless | Full thread | Galvanised blue (A2K)



Product code Type	d	l	lg	dk	Drive	VPE	Article number
WB-T	16,0x	3.000	3.000	-	-	5	1029306
WB-T	20,0x	3.000	3.000	-	-	5	1029309

Can be cut
to length

Using suitable accessories is recommended

**For WB-T-16
DWA-12-ZA-SET**

Art.-No. 1112594

**For WB-T-20
DWA-15-ZA-SET**

Art.-No. 1112595

**Spare drill bit for WB-T-16
DWA-12-M7**

Art.-No. 1112594

**Spare drill bit for WB-T-20
DWA-15-M9**

Art.-No. 1112595

**ZE-16-WB**

Art.-No. 1039597

**ZE-16-WB-blunt**

Art.-No. 1333186

**ZE-20-WB**

Art.-No. 1039598





Timber Fastener

WS

The self-drilling dowel system for an economical wood-steel connection

The WS system allows you to create high quality and economical steel-wood connections.

The self-drilling dowels are installed in a single operation, saving time neither the timber or steel plates require pre-drilling. With a drilling capacity of up to 3 x 5mm steel sheets or a single 10mm steel sheet (quality: S235).

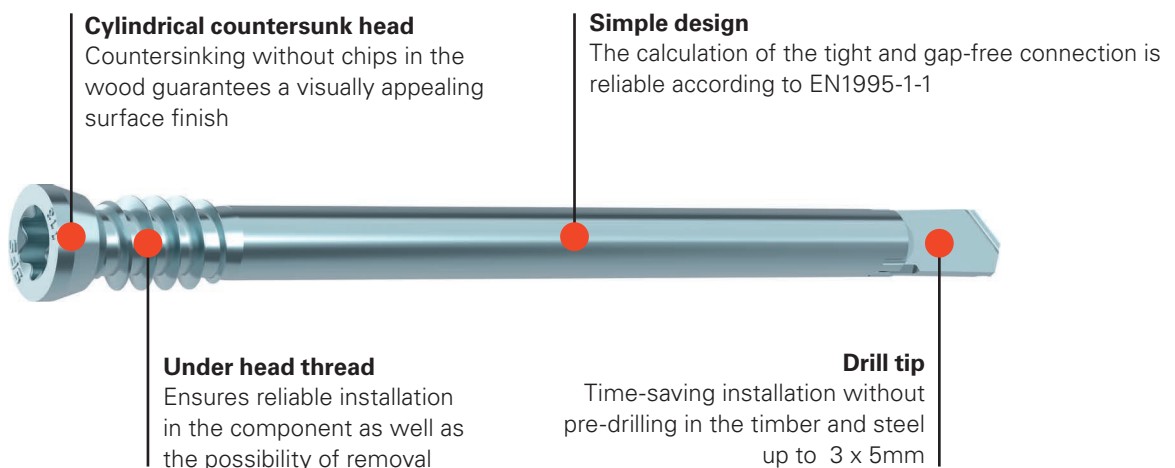
When installed the dowel does not break through the back of the connection and there is simple and reliable dimensioning.

Product Information

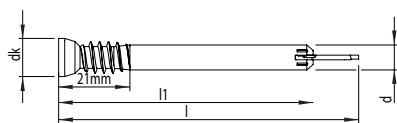
- Self-drilling with the special drill tip
- Removable
- Simple design
- High yield moment $M_{y,k} = 31.93 \text{ Nm}$
- High fire resistance



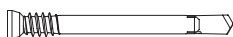
EN14592



WS-T



Cylindrical countersunk head | TX drive | UK thread | Galvanised blue (A2K)



Product code							
Type	d	l	l1	dk	Drive	VPE	Article number
WS-T	7,0x	73	61	10,0	T-40	100	1490470
WS-T	7,0x	93	81	10,0	T-40	100	1490471
WS-T	7,0x	113	101	10,0	T-40	100	1490472
WS-T	7,0x	133	121	10,0	T-40	100	1490473
WS-T	7,0x	153	141	10,0	T-40	50	1490474
WS-T	7,0x	173	161	10,0	T-40	50	1490475
WS-T	7,0x	193	181	10,0	T-40	50	1490476
WS-T	7,0x	213	201	10,0	T-40	50	1490477
WS-T	7,0x	233	221	10,0	T-40	50	1490478

Fast & reliable
design acc. to
EN1995-1-1

Using suitable installation tools is recommended

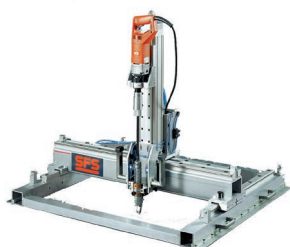
Manual CF-WS/M

Art.-No. 1067215



Pneumatic CF WS/P

Art.-No. 1017417



Manual/Horizontal ZL-WS

Art.-No. 1381426





Timber Fastener VB

The leading and proven method for timber-concrete composite floors

The production of timber-concrete composite systems can be done simple, safe and economically with the help of VB-mounting solutions by SFS.

The fastener geometry especially developed for this application as well as the competent design documents are a basic requirement for an efficient project process, whether in renovation or new build construction. This solution provides a proven and reliable overall system. The requirements of this application are serviced with a well designed product and installation tools.

Product Information

- Very high efficiency
- Highest security
- Maximum comfort
- For renovation and new build construction
- Comprehensive planning documents

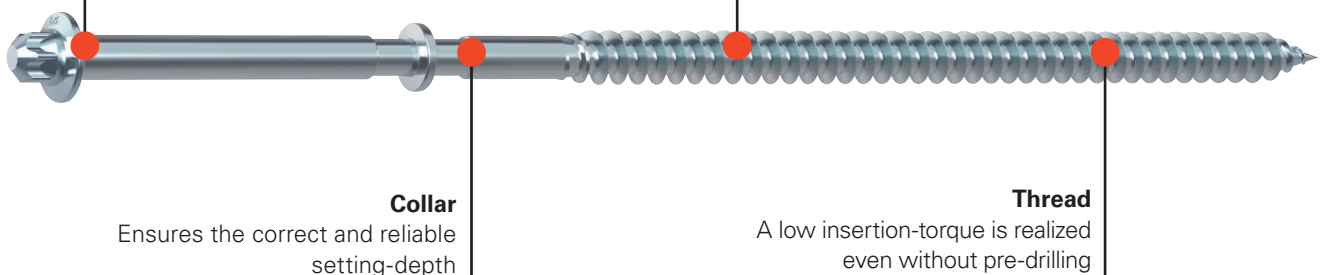


Special head

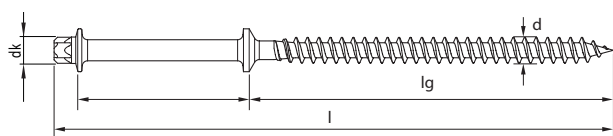
TORX® recess E8 for a good guide during installation and optimum power transfer allowing high tool life

Proven system

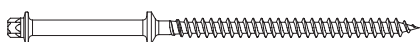
The special geometry as well as the technical documents are aligned to highest performance requirements in wood-concrete composite systems



VB



Special head | TX drive | Part thread | Galvanised blue (A2K)



Product code							
Type	d	l	lg	dk	Drive	VPE	Article number
VB-48-	7,5x	155	100	12,0	external T40	100	1526490
VB-48-	7,5x	220	165	12,0	external T40	100	1526487

The HBV
software
allows for an
efficient
design

Using suitable installation tools is recommended

**Stand-up setting tool
CF-VB/L**

Art.-No. 1130228



**Insert bit
V40-15VB**

Art.-No. 98173



**Magnetic bit holder
ZA1/4"-CF-WS/M**

Art.-No. 997859





Timber Fastener UD

A reliable fastener for attaching insulation on roof and facade

The requirements for installation of insulation on the roof and façade requires specially designed fastener. With the help of the proven double thread fasteners TWIN-UD, the projects can be economically planned as well as easy, fast and secure installation.

The double thread permanently connects the counter battens reliably with the supporting structure and thus prevents damage to the insulation. The special geometry provides a comfortable and damage-free installation. The special coating offers a high corrosion protection, even under special environments and materials.

Product Information

- High energy efficiency
- Sophisticated overall system
- Simple planning
- High buckling loads
- Durable thanks to special coating



ETA-12/0038

Small cylindrical head

For a simple and visually appealing assembly without splitting

Double thread with ribs

Allows easy installation and reliable attachment of the counter battens

Sophisticated overall system

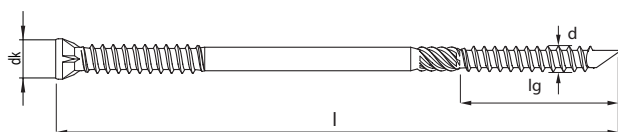
Optimal fastener lengths for economical and long-lasting insulation on the roofs or facades

Special tip

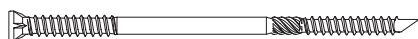
Noticeable reduction in the risk of splitting at the same time faster processing speed



TWIN-UD



Cylindrical head | TX drive | Double thread | HP-coated



Product code	d	l	lg	dk	Drive	VPE	Article number
TWIN-UD-	7,5x	170	48	12,0	T-40	25	1564465
TWIN-UD-	7,5x	190	73	12,0	T-40	25	1564466
TWIN-UD-	7,5x	210	95	12,0	T-40	25	1564467
TWIN-UD-	7,5x	230	95	12,0	T-40	25	1564468
TWIN-UD-	7,5x	250	95	12,0	T-40	25	1564469
TWIN-UD-	7,5x	270	95	12,0	T-40	25	1564470
TWIN-UD-	7,5x	300	95	12,0	T-40	25	1564471
TWIN-UD-	7,5x	330	95	12,0	T-40	25	1564472
TWIN-UD-	7,5x	360	95	12,0	T-40	25	1564473
TWIN-UD-	7,5x	400	95	12,0	T-40	25	1564474
TWIN-UD-	7,5x	440	95	12,0	T-40	25	1564475
TWIN-UD-	7,5x	480	95	12,0	T-40	25	1564476
TWIN-UD-	7,5x	520	95	12,0	T-40	25	1564477

Available
within system
via insulation
manufacturer



Timber Fastener SCS

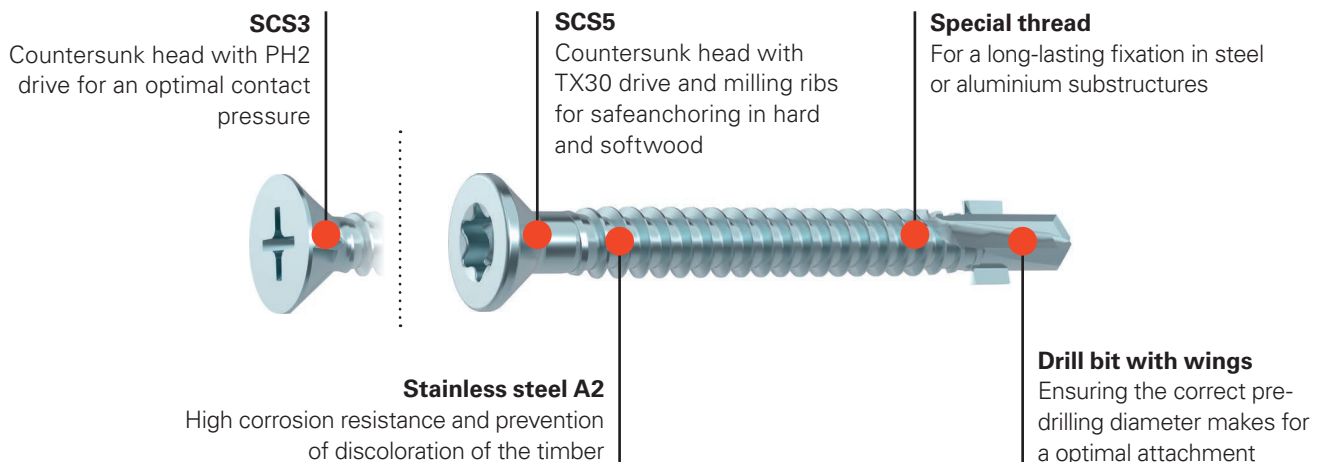
For installation of timber onto metal in external applications

The quick installation of timber cladding on steel or aluminum substructures has special demands on the fasteners.

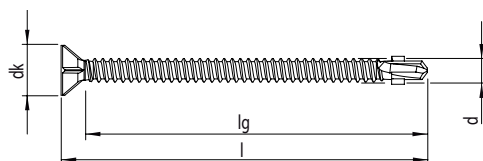
SCS, the winged drill bit ensures an efficient and safe attachment in external applications. The drill tip with wings ensures a pilot hole is created in the timber during installation, these break off when drilling into the metal. The larger pilot hole in the timber allows for expansion and contraction and the countersunk head is suitable for hard and softwoods. Produced from A2 stainless steel, providing a high corrosion resistance which prevents discoloring the timber. Drill point suitable for thicknesses up to 5 mm.

Product Information

- Countersunk head
- Stainless steel A2
- Hardened wing drill tip
- Drilling performance in aluminum or steel (SCS3 = 3mm / SCS5 = 5mm)
- Safe and economical installation



SCS



Countersunk head | TX and PH drive | Full thread | Stainless steel A2



Product code Type	d	l	lg	dk	Drive	VPE	Article number
SCS3/25-7982/PH2-	4,8x	42		10,0	PH-2	250	1282666
SCS3/55-7982/PH2-	4,8x	72		10,0	PH-2	250	1282665

Product code Type	d	l	lg	dk	Drive	VPE	Article number
SCS5/34-D10/T30-	5,5x	55		10,0	T-30	250	1152443
SCS5/54-D10/T30-	5,5x	75		10,0	T-30	250	1152444

Technical installation data

Measurements d x l (mm)	Drilling capacity (mm)		Maximum clamping distance t _{fix} (mm)
	Steel S235	Aluminium	
4,8 x 42	1-3	2-3	25
4,8 x 72	1-3	2-3	55
5,5 x 55	2-5	3-5	34
5,5 x 75	2-5	3-5	54



Fastening of timber to concrete

MULTI-MONTI®-plus

The fastening system MULTI-MONTI®-plus for anchorages in concrete

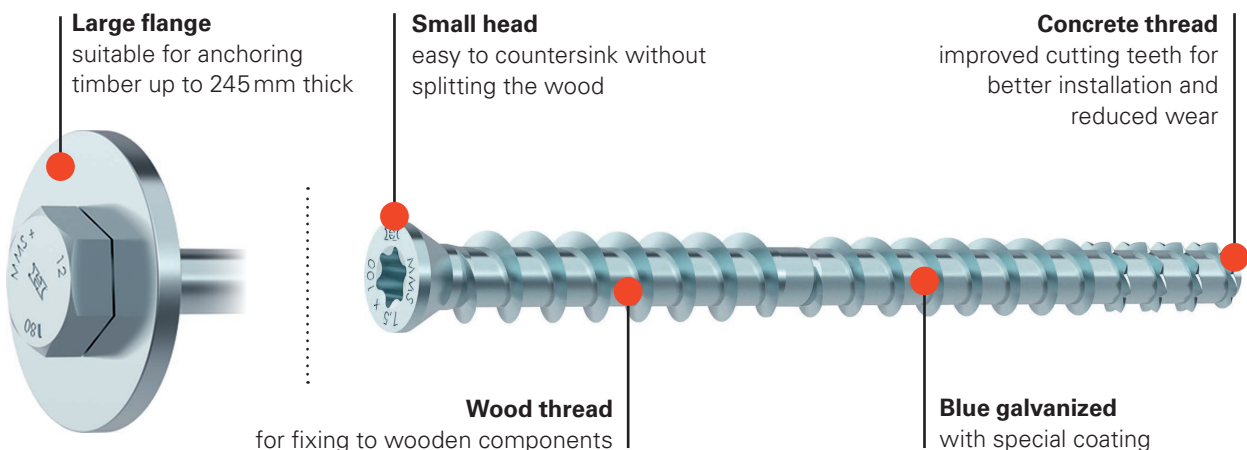
The MULTI-MONTI®-Timber Connect (TC) has been designed for fixing timber components to concrete. The combination of a timber thread and concrete thread can transfer very high tensile and shear loads and the small head allows deep countersinking requiring one length for most timber thicknesses. Another innovation is the MULTI-MONTI®-plus combined with a large 44mm diameter washer to DIN 440, which can fix timber up to 245mm thick.

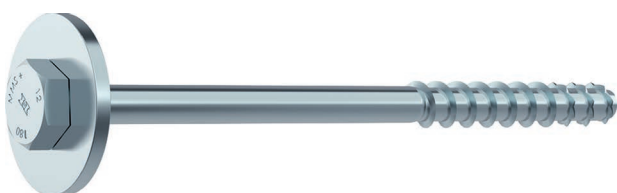
Easy installation

- Drill the wood and concrete in one operation with one concrete drill bit
- Chip removal with the screwdriver
- Direct screwing with a tangential impact driver
- No tightening torque to be tested

Simple calculation

SFS Designer is a software package that offers assistance to structural design offices, allowing guidance and optimisation of the fastener type used, taking into account the calculations from the ETA.





MULTI-MONTI®-plus-T-W44-12xL

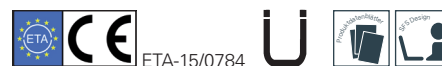
A range of concrete fasteners with a 12mm hex head and large 44mm diameter washer, providing a high strength connection.



MULTI-MONTI®-TC-T-dxL

This range, with a concrete and a timber thread, is ideal for fixing the lower purlins of a structure to concrete slab, or timber elements into concrete walls. Thanks to the special head, it is also possible to countersink the fixture into wood.

Product information



Countersunk head

Carbon steel, hardened, blue galvanized (Chrome VI free)



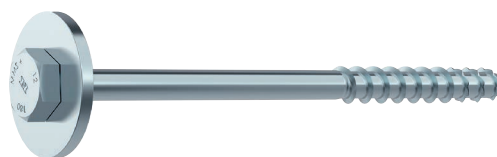
For anchoring in concrete

- T-30
- T-45
- T-50



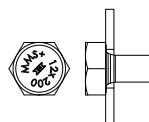
Hex head with large flange DIN 440 (44 mm)

Carbon steel, hardened, blue galvanized (Chrome VI free)



For anchoring in concrete

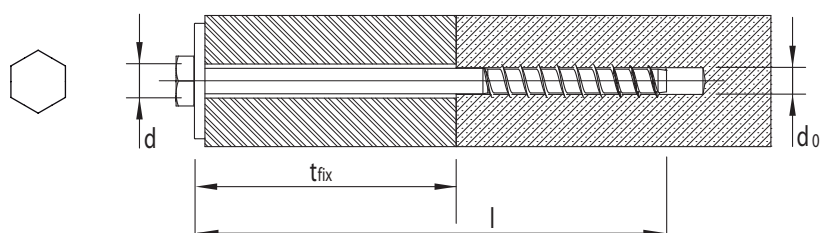
- SW19



Power output of the tangential impact driver for use with MULTI-MONTI®

Diameter	MMS - 7,5	MMS - 10	MMS - 12
Power output of wired impact driver*	ca. 100 Nm	ca. 250 Nm	ca. 350 Nm
Power output of cordless impact driver*	ca. 160 Nm	ca. 250 Nm	ca. 600 Nm

* Recommended power output without guarantee

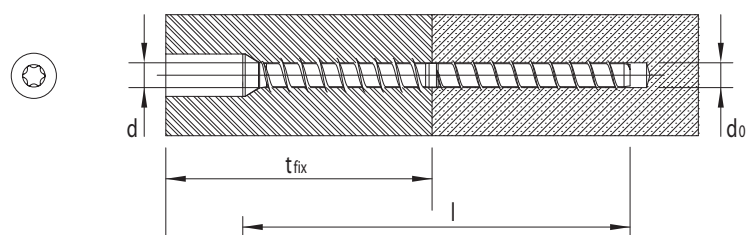
MULTI-MONTI®-plus-T

d Diameter* · l Length · d₀ Hole diameter · t_{fix} Clamp length · **All dimensions in mm**

**Carbon steel**

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-plus-T-W44	12,0x	180	10,0	90-105	SW-19	25	1507869	●
MULTI-MONTI-plus-T-W44	12,0x	200	10,0	110-125	SW-19	25	1489555	●
MULTI-MONTI-plus-T-W44	12,0x	240	10,0	150-165	SW-19	25	1489089	●
MULTI-MONTI-plus-T-W44	12,0x	280	10,0	190-205	SW-19	25	1507870	●
MULTI-MONTI-plus-T-W44	12,0x	320	10,0	230-245	SW-19	25	1507871	●

MULTI-MONTI®-TC

d Diameter* · l Length · d₀ Hole diameter · t_{fix} Clamp length · **All dimensions in mm**

**Carbon steel**

Stocked Stocked in UK ● Please contact customer service for availability

Product code Type	d*	l	d ₀	t _{fix}	Drive	VPE	Article number	UK stock
MULTI-MONTI-TC-T-	7,5x	100	6,0	40-140	T-30	50	1489053	●
MULTI-MONTI-TC-T-	10,0x	130	8,0	60-200	T-45	25	1489059	●
MULTI-MONTI-TC-T-	12,0x	160	10,0	80-300	T-50	25	1489065	●

Setting tools**MMS-TC-Bit T-30**

Art.-No. 1502353 | Bit

**MMS-TC-Bit T-45**

Art.-No. 1502352 | 1/2"

**MMS-TC-Bit T-50**

Art.-No. 1501630 | 1/2"



Design tools from SFS

SFS has a free calculation software package available to aid designers in the selection of the correct anchor to meet your needs.

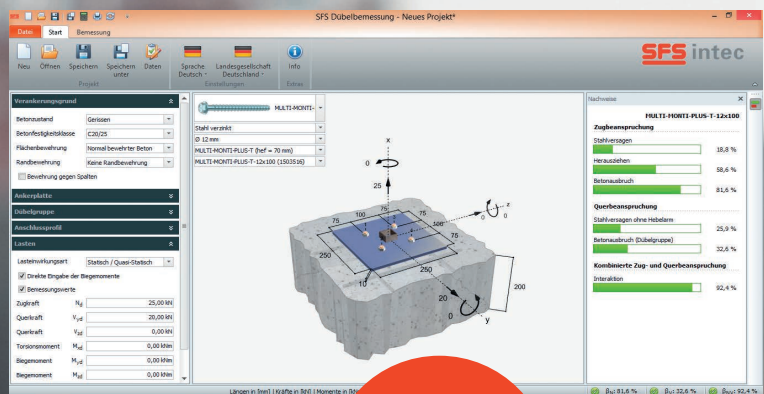
SFS Designer allows the user to specify the base material in the application and the item to be fixed, plus the loads expected to be applied. By selecting the different anchors available, it identifies the best product to choose and even allows selection of alternative fixing configurations to help the user find the most economical solution.

The results enable comparison of multiple anchor options and the chosen solution is presented in a report that can be printed or saved as a PDF.

There is complete peace of mind as the software uses the data from the ETA and allows regular updates to ensure you are working with the latest version.

The design verification service is provided by our partner HECO:

HECO Schrauben GmbH & Co. KG,
Dr. Kurt-Steim-Straße 28,
78713 Schramberg
www.heco-schrauben.de



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Accessories

Installation tools

**Power Drill
BO 1055**



**Cordless power drill
ASCM 18QM**



**Cordless impact wrench
ASCD 18**



**Cordless Screw Gun
ASCS 6.3 18V**



Mounting devices for WT

**For main/secondary beam
ZL-WT/MS**

Art.-No. 1160919



**For coupling purlin
ZL-WT**

Art.-No. 909843



**For secondary beam
ZL-WT/S**



**Universal setting gauge
ZL-WT-U**

Art.-No. 992262



Setting tools for WS-T

**Manual
CF-WS/M**

Art.-No. 1067215



**Pneumatic
CF WS/P**

Art.-No. 1017417



**Manual/Horizontal
ZL-WS**

Art.-No. 1381426



Setting tools

for VB

Stand-up setting tool CF-VB/L

Art.-No. 1130228



Insert bit V40-15VB

Art.-No. 98173



Magnetic bit holder ZA1/4"-CF-WS/M

Art.-No. 997859



Drilling system

for WB-T

For WB-T-16 DWA-12-ZA-SET

Art.-No. 1112594



For WB-T-20 DWA-15-ZA-SET

Art.-No. 1112595



Spare drill bit for WB-T-16 DWA-12-M7

Art.-No. 1112594



Spare drill bit for WB-T-20 DWA-15-M9

Art.-No. 1112595



Installation tool

for WB-T

ZE-16-WB

Art.-No. 1039597



ZE-16-WB-blunt

Art.-No. 1333186



ZE-20-WB

Art.-No. 1039598



Attachments and adapters

Attachment for WT-T

WT-T20 Art.-No. 524949
WT-T30 Art.-No. 857753
WT-T40 Art.-No. 888896



Morse taper shank ZA 1/2"-MK3

Art.-No. 1048760



UNC thread ZA1/2"-11/4"-7UNC

Art.-No. 1047884



Drive bar ZA14"-E6,3

Art.-No. 1129780



Depth locator sleeve Z661-WT

Art.-No. 857750



Drive bits



Torx drive 1/4"



Torx drive 1/4"



Torx drive 5/16"



Torx drive 1/2"

Bit size TX15

Description	Drive size	Art.-No.
Bit T15-25	Hex 1/4"	938982
Bit T15-70	Hex 1/4"	24011

Bit size TX20

Description	Drive size	Art.-No.
Bit T20-25	Hex 1/4"	769471
Bit T20-50	Hex 1/4"	1090061
Bit T20-70	Hex 1/4"	23486

Bit size TX25

Description	Drive size	Art.-No.
Bit T25-25	Hex 1/4"	24008
Bit T25-50	Hex 1/4"	1236603
Bit T25-70	Hex 1/4"	1167067
Bit T25-90	Hex 1/4"	654612
Bit T25-160	Hex 1/4"	1046159
Bit T25-200	Hex 1/4"	1321581

Bit size TX30

Description	Drive size	Art.-No.
Bit T30-25	Hex 1/4"	24010
Bit T30-50	Hex 1/4"	1489139
Bit T30-70	Hex 1/4"	23488
Bit T30-90	Hex 1/4"	654613
Bit T30-150	Hex 1/4"	24047
Bit T30-200	Hex 1/4"	987757
Bit T30-350	Hex 1/4"	978292
Bit T30-35	Hex 5/16"	23461
Bit T30-40	Square 1/2"	1489154

Bit size TX40

Description	Drive size	Art.-No.
Bit T40-25	Hex 1/4"	769474
Bit T40-50	Hex 1/4"	1489140
Bit T40-70	Hex 1/4"	998373
Bit T40-90	Hex 1/4"	654614
Bit T40-152	Hex 1/4"	907362
Bit T40-200	Hex 1/4"	930217
Bit T40-350	Hex 1/4"	978291
Bit T40-520	Hex 1/4"	968661
Bit T40-70	Hex 5/16"	24040
Bit T40-40	Square 1/2"	1489154

Bit size TX50

Description	Drive size	Art.-No.
Bit T50-36	Hex 1/4"	1184219
Bit T50-40	Square 1/2"	1489158
Bit T50-55 iQuad	Square 1/2"	1223211



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