

# **Cabinet Connectors**



#### Technical information

Our catalog strives for information accuracy, but as our products are continually updated, we recommend verifying the latest specifications before placing an order. We retain the right to make unannounced changes due to ongoing product improvements.

#### User responsibility

Users are responsible for ensuring that our hardware suits their intended purpose. We suggest conducting appropriate tests and reaching out to our technical representatives for assessment.

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## Cabinet Connectors Product Guide

			Page
System 1			
	Fittings for rigid assembly systems	a highly cost-effective and rigid assembly system for factory, consumer and home assembly	1.9
System 2			
	Fittings for face-boring applications	face boring applications that provide a tolerant efficient assembly	1.11
System 3			
	Fittings for face and edge boring	two component rigid face and edge drilling fastening	1.15
System 4			
	Fittings for face-boring only	a range of low-cost one-piece fittings for high volume home assembly applications	1.17
System 5			
	Cams and dowels	a comprehensive range of cam and dowel connecting fittings for all cabinet applications	1.23

			Page
System 6			
	Quickfit-Expando connectors	face boring expanding connectors for all cabinet applications	1.49
System 6	.2		
	Face boring connectors	face boring connectors for closets and wardrobes	1.58
System 7			
	Heavy duty cams and dowels	high quality fittings for offices and public furniture	1.66
Cabinet A	ccessories		
	Complementary and structural support fittings	Shelf Q-Peg Shelf supports Joining plates No-tools backfix and wall connectors Panel brackets Adjustable cabinet legs Drawer front adjuster	1.71 1.72 1.75 1.76 1.77 1.79

### **Connectors**

### Information

### Why Choose Titus?

Titus connectors add value to furniture and to furniture manufacturing

Titus connectors improve the quality of furniture and lower the cost of manufacturing and assembly while ensuring a high degree of customer satisfaction.

The most advanced range of connectors available on the market

Precise and efficient product design. The broadest possible range of drilling tolerances ensures reliable assembly and consistently strong joints. 'Klix' locking feature, the engagement of interlocking teeth on cam and dowel, to prevent joint loosening in service or transit.

**Expanding function** provides degrees of variation in out-of-tolerance drillings ensuring stronger joints and improved quality of furniture.

Twinstart thread for faster and more stable insertion.

**Depth stop collar** prevents over-insertion. **Firm tightening** for greater confidence in use

Cam locks at 230° assuring smooth tightening action and greater dowel pull-up.

Quickfit for hand dowel insertion.
Quickfit TL5, new generation steel dowel
with quickfit expando technology for
insertion in Ø5mm dowel holes.
Quickfit TL2, TL4 with the built-in self

adjustment feature for higher drilling tolerances.

**Quickloc** one piece fitting for faster assembly with integrated expanding cam and dowel.

**Zinc+steel dowel** for optimal strength and performance.

Precise dowel manufacturing

high precision of zinc and strength of steel assures 100% dimensional accuracy.

Easy and quick consumer friendly self-assembly of furniture

Self-assembly furniture offers consumers good value and instant availability of products.

With the aim of providing consumer with simpler instructions, fewer parts and an easier assembly process, Titus has significantly reduced and simplified the number of fittings traditionally required in furniture production.

Titus connectors provide consumers with easy assembly and furniture producers with increased productivity:

- · reduced number of assembly parts
- · easy assembly instructions
- $\cdot\,$  security of packed parts during transit

CAF Quick & Easy

Consumer Assembly Friendliness

### **Connectors**

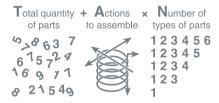
### Information

## **Easy and Quick Furniture Assembly**

#### **CAF** formula

CAF=Consumer Assembly Friendliness

Titus CAF formula provides a comparative measure for customer satisfaction. By using it manufacturers are able to evaluate their products internally or against those of their competitors. While offering consumers easier and faster assembly, there are obvious advantages also for furniture manufacturers – buying, counting, bagging and stocking of fittings can be greatly reduced.



(T+A)N = CAF

Minimise the numbers in the Titus CAF™ formula to achieve:

- High customer satisfaction
- Improved productivity
- Higher profits

How does it work?

Comparative CAF scores to assemble a hand held demonstrator

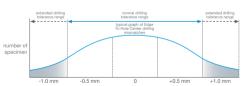


	Т	Α	N	CAF
Connecting screw (traditional assembly)	4	38	3	126
Cam & dowel with single start thread	6	21	4	108
Cam & dowel with twinstart thread	6	15	4	84
Cam & TL2 dowel (self-assembly)	6	7	4	52
Cam & TL2 dowel (factory pre-inserted)	2	3	2	10
Quickloc	2	3	1	5
Fully assembled demonstrator	1	0	1	1



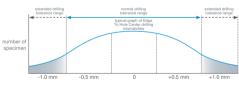


Consumer Assembly Friendliness



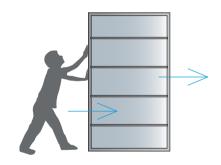


- · Quick assembly with less parts and less assembly steps
- · Simple instructions
- · Easy and intuitive assembly



#### High drilling tolerances

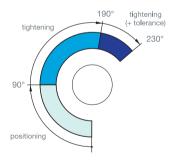
- · Optimal cabinet joint even in cases of inaccurate drilling
- · In-built self adjustment feature ensures perfectly aligned and precise joints



#### Strong and reliable joints

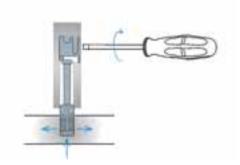
- · High performance joints
- · Great cabinet strength even at repeatable assembly or disassembly
- · Enhanced resilience even in more demanding applications in tall wardrobes or office furniture





## Reliable and comfortable locking

- · Smooth and firm tightening at 2 o'clock lock
- · Great dowel pull-up for optimal performance
- · Strong and reliable joint



### **Expando function**

- · Expanding sleeve on dowels assures high resistance to pull-out
- · Firm fixing in the dowel hole



#### **Factory pre-insertion**

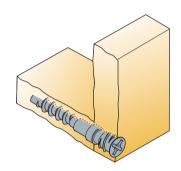
- $\cdot$  With Quickfit TL5 and TL2 dowels
- · Perfect for RTA market: easier packing and transportation
- The insertion of cams and dowels can be automated using Lama FastFit machine

# System 1 Fittings for Rigid Assembly Systems

## **System Features**

#### **Double locking carcase screw**

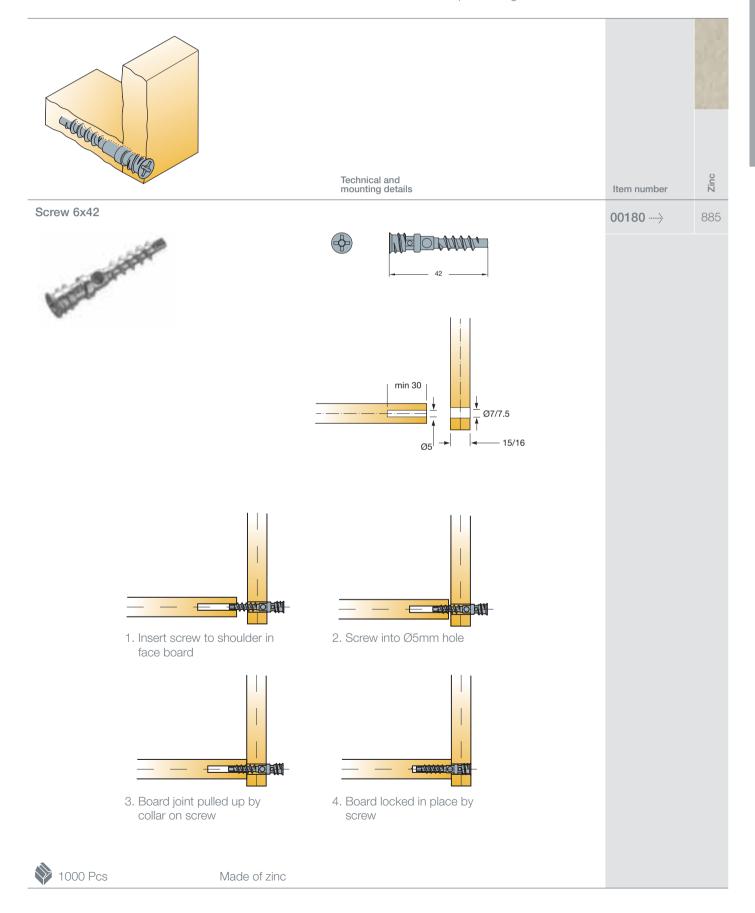
- · Zinc diecast for precision
- Titus Double locking carcase screw makes an almost invisible connection
- · Collar under the head to pull panels together
- 2nd 'lower' thread pulls against a 'faster' thread to provide maximum connection force and prevents overdriving of fastener
- · Almost invisible in position
- · Head can be 'fastcapped' or filled



# System 1 Fittings for Rigid Assembly Systems

Double Locking Carcase Screw

- $\cdot\,$  High performance from widely spaced primary thread
- Finer secondary thread provides additional holding power and positive stop (no override)
- Increased support for vertical panel is gained from the funnel head with collar at its base
- · One-piece fitting

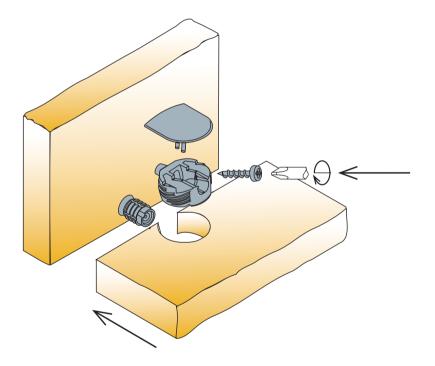


# System 2 Fittings for Face-boring Applications

## **System Features**

A family of face boring only concealed fittings and rail fasteners with wide tolerances and the enormous clamping power of an angled screw.

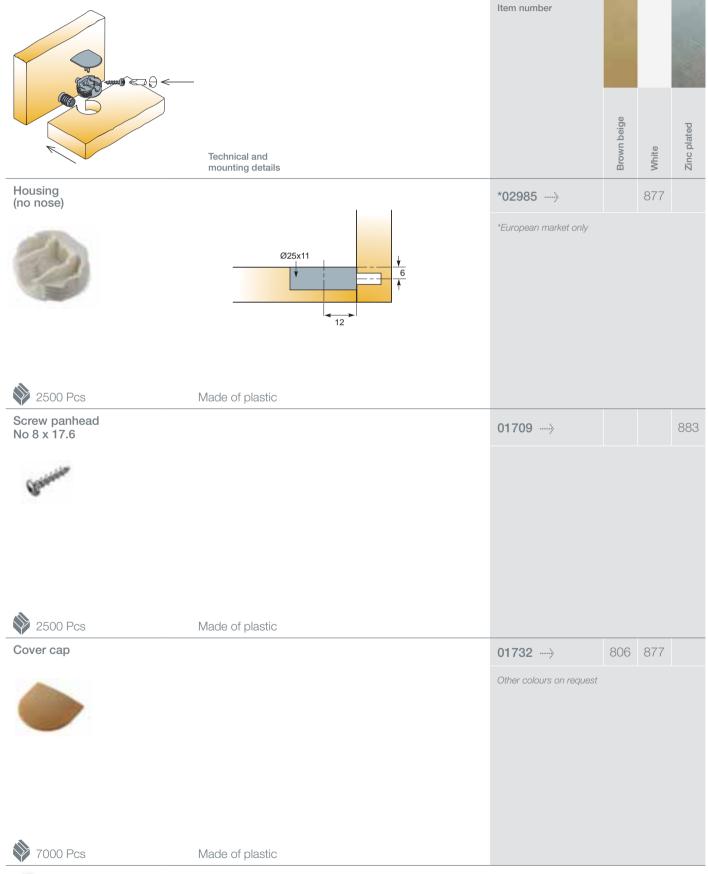
- · Factory or site component installation
- · Wide tolerances
- Face boring only
- · Cover caps for concealment
- · For kitchen, furniture storage, office and store fixture applications
- · Non twist rail fastener versions
- · Multi use 'pocket screw' replacement



# System 2 Fittings for Face-boring Applications

## Concealed Fittings

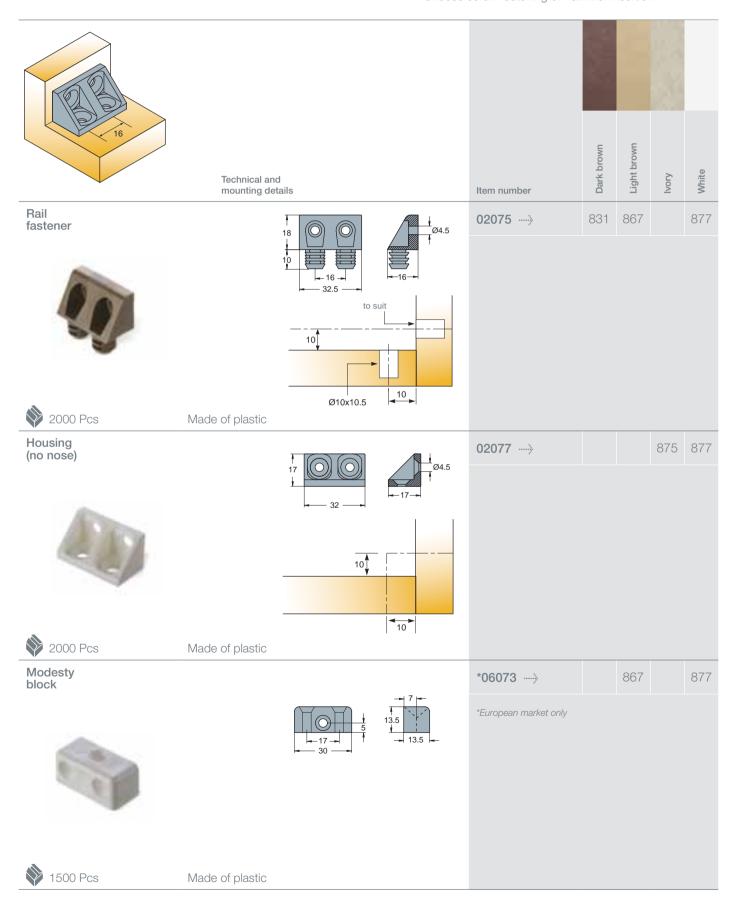
- · Combination of hi-thread screw and nylon insert allows a high clamping force improving cabinet rigidity
- · Unlimited stacking height due to flush housing
- · Provides a strong, secure fitting which eliminates the need for edge boring
- +/-1mm tolerance absorbs drilling inaccuracies improving consumer confidence in use





# System 2 Fittings for Face-boring Applications

- · Range of fixing blocks for multiple applications
- · Face drilling only required
- Durable plastic material is flexible providing greater holding power
- · Choose screw fastening or hammer insertion

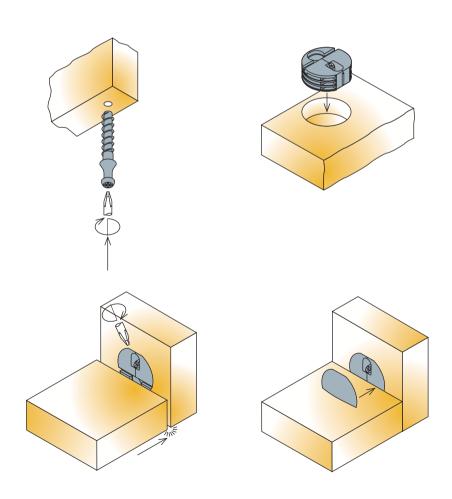


# System 3 Fittings for Face and Edge Boring

## **System Features**

Titus System 3 is a two component rigid face and edge drilled fastening with half turn to fasten. System 3 offers almost full concealment and wide tolerances in use.

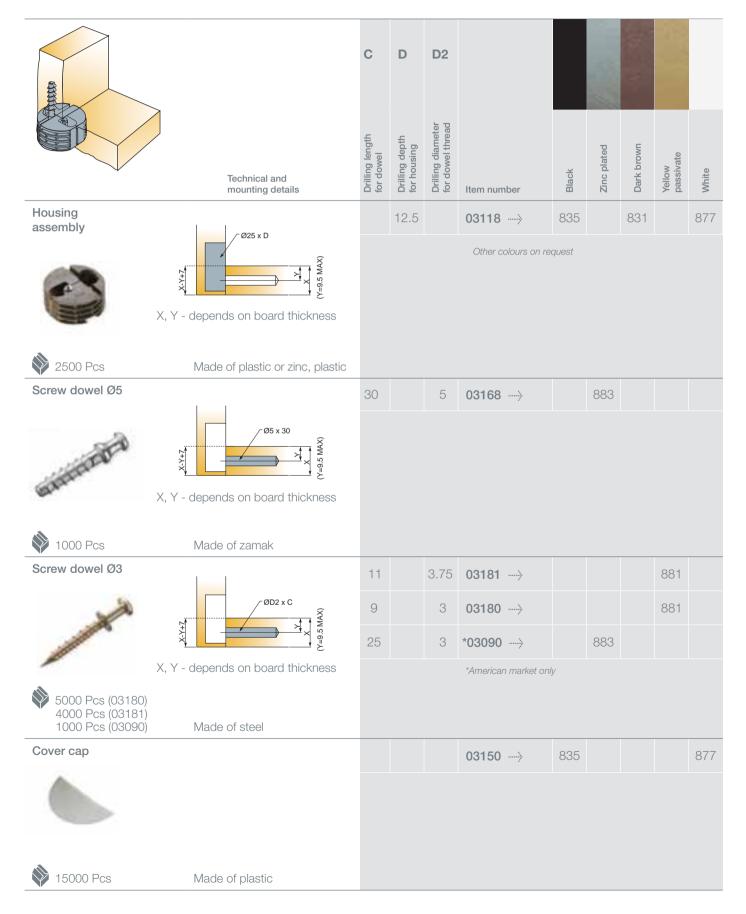
- · Automatic or in-factory placement
- Pre-location pin ensures ease of assembly
- Less than one turn of a screwdriver to fasten
- · Shelf edge installation of pin means maximum shelf cut size tolerance
- · Can be used on 12mm shelf panels
- · No loose parts for maximum convenience in RTA
- · Drawer front fixing, cabinet construction



# System 3 Fittings for Face and Edge Boring

## Concealed Housing

- One turn locking system reduces assembly time, both in the factory and home
- · Pre-assembly feature for consumer convenience
- · Choice of dowels to suit drilling
- · Hi-Lo screw feature for faster insertion



### System Features

Cost effective one piece fittings with face boring benefits

- · Flush and block components
- · Face-boring only
- · Good tolerances
- · One piece connectors
- · Angledrive versions fastening with maximum driving power and flexibility
- Quickloc™ versions need only one turn to tighten for fast assembly
- · Foolproof consumer home insertion

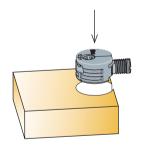
Quickloc™ One-piece connector

The integrated housing and dowel make Quickloc™ the most user-friendly and tolerant product available.

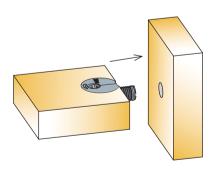
- · High degree of drilling tolerance
- · Push-in design
- · Tool-free insertion
- · Integrated expanding housing and dowel provide consistently stronger joints
- · 'Klix' locking system

#### Quickloc™ Assembly

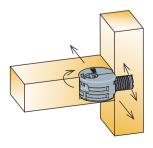
#### 1. Press Quickloc into the face board



#### 2. Assemble the panels



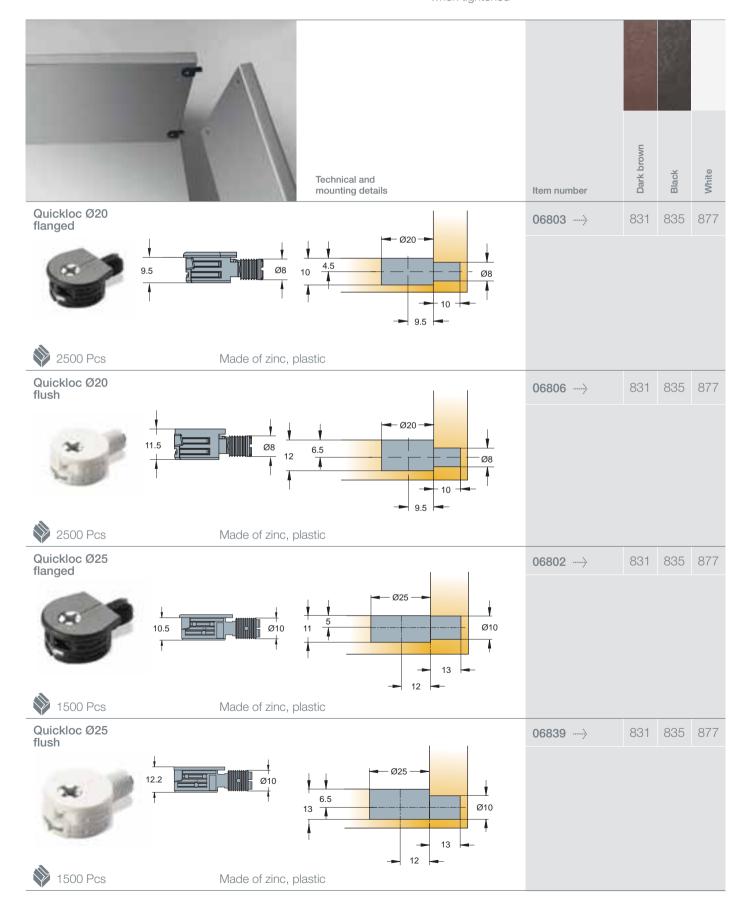
#### 3. Tighten in less than one turn



## System 4 Quickloc™

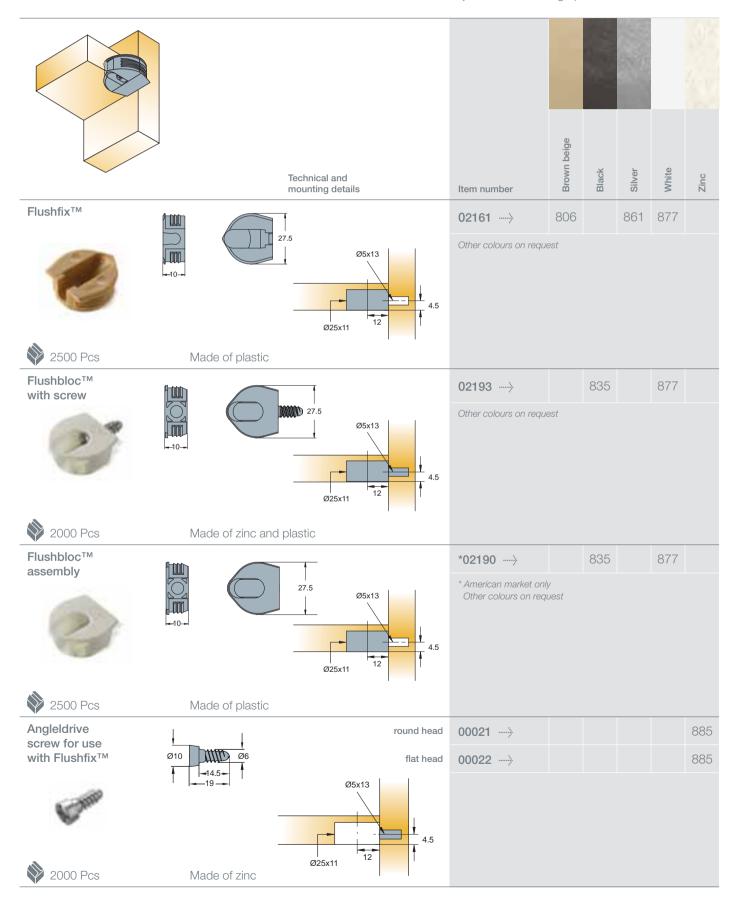
## One Piece Expanding Connector

- An innovative, one-piece connector, capable of hand insertion
- · Highly tolerant and tightens in less than one turn
- · Face-bored product
- Offers a high degree of drilling tolerance and is the only connector of its type to provide pull-up of cabinet panels when tightened



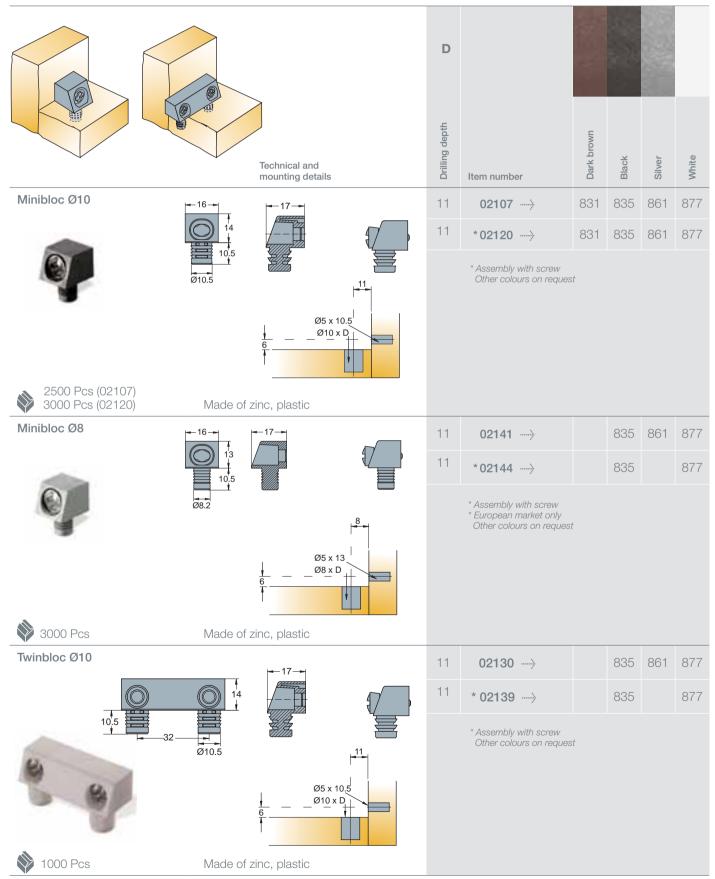
Flushbloc<sup>TM</sup>/ Flushfix<sup>TM</sup>

- · The Angledrive screw provides high level of tolerance
- Face drilling only required
- · Corner joint and shelf fixing options



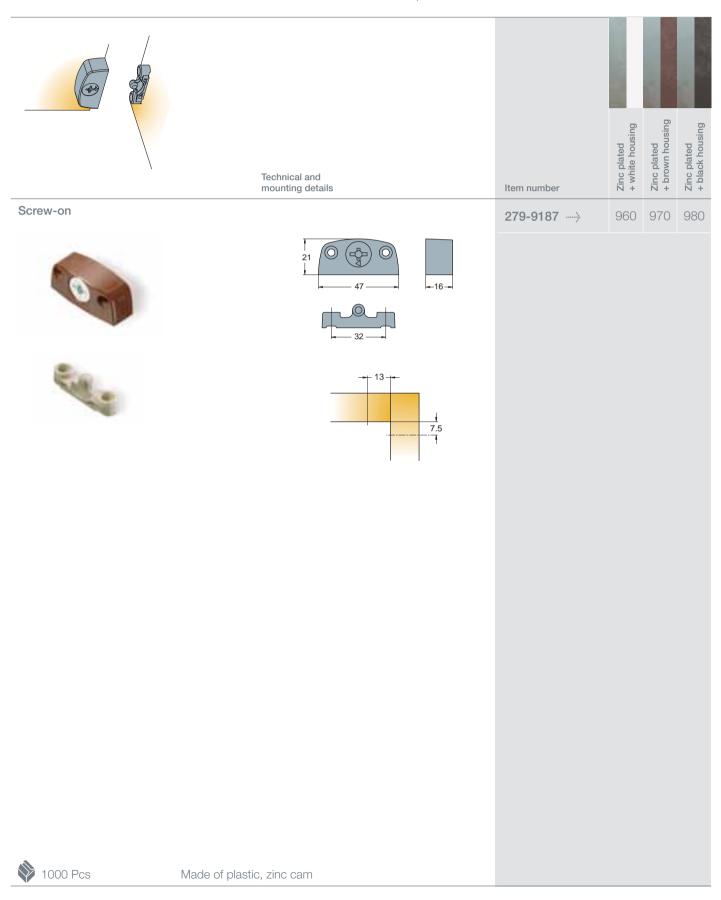
Minibloc<sup>TM</sup> / Twinbloc<sup>TM</sup>

- · One-piece connector range
- · Face drilling only required
- · Easy to use, foolproof home insertion
- Angledrive screw tolerates good levels of inaccurate drilling increasing consumer confidence



## Cambloc

- · Screw-on and knock-in versions are available
- · Plastic housings are available in different colours
- · Quick and intuitive assembly when fittings are pre-mounted on furniture



## System Features

## The most advanced cam and dowel range

Titus System 5 is a comprehensive range of cam and dowel connecting fittings with 'Klix' and Quickfit features for all cabinet applications: panel-to-panel, panel-to-hollow profile, back-to-back

#### **Dowels**

- Quickfit TL5, 'Full metal jacket' a high performance Quickfit dowel for use in multiple wooden materials
- Quickfit TL2, TL4, TL5 dowels a unique solution for factory pre-insertion, high level of drilling tolerances

- Quickfit dowels quick hand insertion, easy assembly
- Diecast dowels (zinc)
   precise manufacturing, optimal shape and design
- Turned dowels (steel)

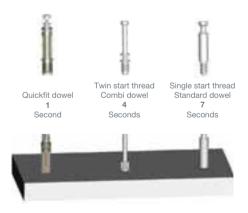
  'traditional' design, smooth surface, best strength performance
- Combi dowels (zinc and steel)
  high precision of zinc, strength of steel,
  100% dimensional accuracy and optimal performance

#### Titus 'Klix'TM

Titus 'Klix' locking system ensures the engagement of the interlocking teeth on cam and dowel providing:

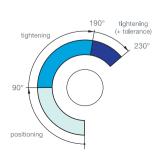
- · vibration-proof joint
- · rigid construction that will not loosen in service or transit

## Dowel insertion time comparison



#### 2 o'clock lock Smooth closing

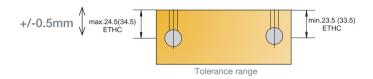
Linear cam profile assures smooth, firm tightening action and greater pull-up. The cam always locks at 2 o'clock lock (230°), enabling greater consumer confidence in use while improving furniture quality.

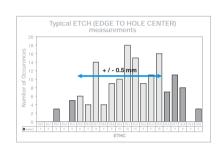


#### **Drilling** tolerances

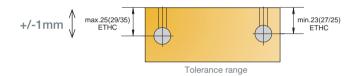
Optimal performance and perfect joint even with inaccurate drillings.

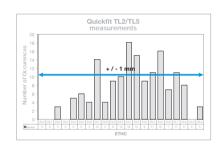
Zinc/Combi dowel



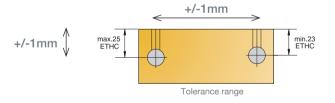


Quickfit TL5 dowel, Quickfit TL2 dowel

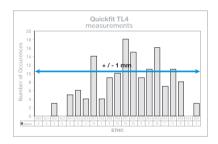




Quickfit TL4 dowel



ETHC=Edge To Hole Center



#### **Dowels for factory** insertion

Quickfit TL5, Quickfit TL4 and Quickfit TL2 are the only available dowels allowing factory preinsertion
• Easier packing
• Less damages in handling

- · Perfect for the RTA market



### Cam5000

Highly resistant joint for strong cabinet construction

Reinforced cam evenly engages the hole and prevents cam tilting and cam bursting.

Increased joint resistance enables effective performance in wider tolerance range.



Linear cam profile

Linear cam profile ensures:

- · Smooth tightening action
- · Greater dowel pull-up



Cam retaining pips

Cam retaining pips ensures:

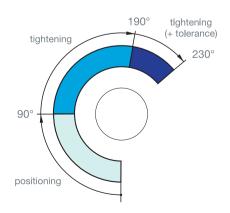
- · The cam is held in position prior to assembly
- · Secure cam positioning during transport and handling
- · Accurate factory insertion



2 o'clock lock

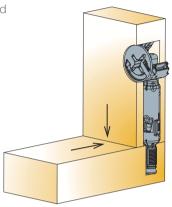
Smooth and noticeable locking at the 2 o'clock position guarantees:

- $\cdot\,$  always-right tightening for home assembly
- · strong and rigid cabinet construction



### **Optimised cam profile**

Optimised cam profile ensures smooth and tight joint with no gap between panels.



## Optimal performance with all Titus dowels

Quickfit TL, Quickfit, Combi, end, double ended, angled and other screw-in dowels

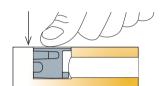


## Quickfit Connectors

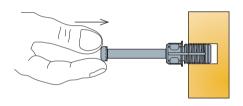
It is the fastest assembly system on the market. The Quickfit™ dowel may be inserted by hand, using only finger pressure. This eliminates the labour intensive process of screw-in assembly and the potential panel damage. The Quickfit™ range of dowels has been extended to provide a complete family of fittings available in diameters of 5mm, 8mm, 10mm and lenghts of 24mm and 34mm. These dowels are compatible with the range of Titus Ø15mm cams.

#### **Assembly**

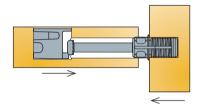
1. Press the cam into face board



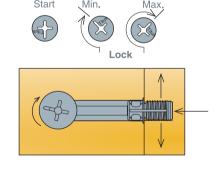
2. Insert the dowel into side panel



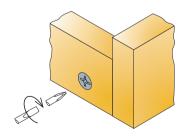
3. Assemble the panels



4. Tighten the cam to lock dowel



5. Assembled panels



## **Quickfit TL Connectors**

Quickfit-TL™ dowel offers furniture manufacturers a fast assembly system providing high drilling tolerances. It has a built-in self-adjustment feature, which enables common drilling inaccuracies to be overcome.

For the self-assembly furniture consumer, Titus Quickfit-TL™ is the most consumer friendly fitting on the market. Apart from the benefit of fully tightened joints and easy locking into the same position, Quickfit-TL™ provides an exceptionally smooth action when tightened, requiring very little effort.

#### **Drilling tolerances**

Marginal inconsistencies of drilling and the problems associated with the natural movement of wood panels, no longer present problems.

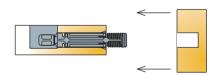
Quickfit-TL™ provides a tolerance of +1/-1mm on drilling operation while ensuring that the final result is a perfectly precise and aligned joint. No other assembly fittings system can offer such tolerances and still maintain a perfect joint.

#### Assembly

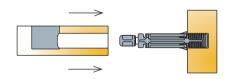
1. Press the cam into face board



2a. Either push dowel into edge hole or...

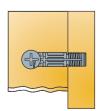


2b. Insert the dowel into side panel



#### 3. Assemble the panels

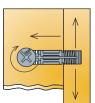




#### 4. Tighten cam to lock dowel







## Quickfit TL5 'Full Metal Jacket'

## Effective performance in multiple wooden materials

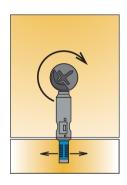
Smooth and noticeable locking at the 2 o'clock position position guarantees:

- · tight joints
- · always-right tightening at home assembly
- · strong and rigid cabinet construction



#### Strong and reliable joint

Expanding steel sleeve assures high resistance to torsion and pull-out.



#### **High drilling tolerances**

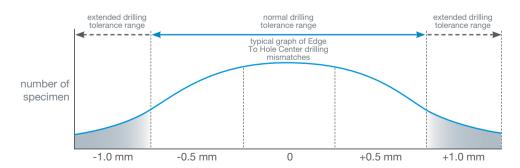
An extended dowel head design works as a positive stop against the cam and provides an ETHC tolerance of min. +/-1mm

Fully tightened joint assured even at marginal inconsistencies of drilling and problems associated with the natural movement of wood panels.



Tolerance range

ETHC-Edge To Hole Center



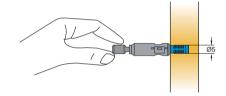
#### Shape of dowel sleeve

- · Acts as a positive stop when face inserted
- · Ensures correct insertion depth



## Tool-free insertion for Ø5mm dowel holes

Quickfit TL5 reliably engages the 5mm dowel hole. It enables the usage of tool-less Quickfit dowel insertion technology across a wide range of applications.



## 50% less time to assemble the cabinet at home

When edge inserted the dowel engages the cam and remains securely positioned until the boards are locked together.



For maximum efficiency the insertion process can be automated using the Titus proprietary Lama FastFit machine.



Fast and easy cabinet assembly at home.



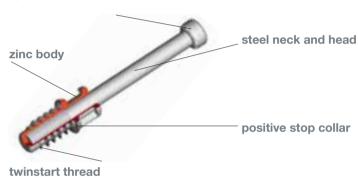
Consumer Assembly Friendliness

## **Zinc+steel Combi Dowels**

Zinc+steel technology for optimal strength and performance

The Combi dowel combines steel and a small amount of zinc to ensure high precision and dimensional accuracy, essential to provide furniture manufacturers with the broadest possible range of drilling tolerances.

#### toroidal head form

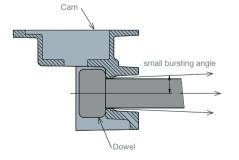


**The steel neck and head** provide better resistance to torsion and pull-out enabling a high performance joint

#### Zinc body:

Positive stop collar ensures correct insertion depth

**Twinstart** for faster and more stable insertion



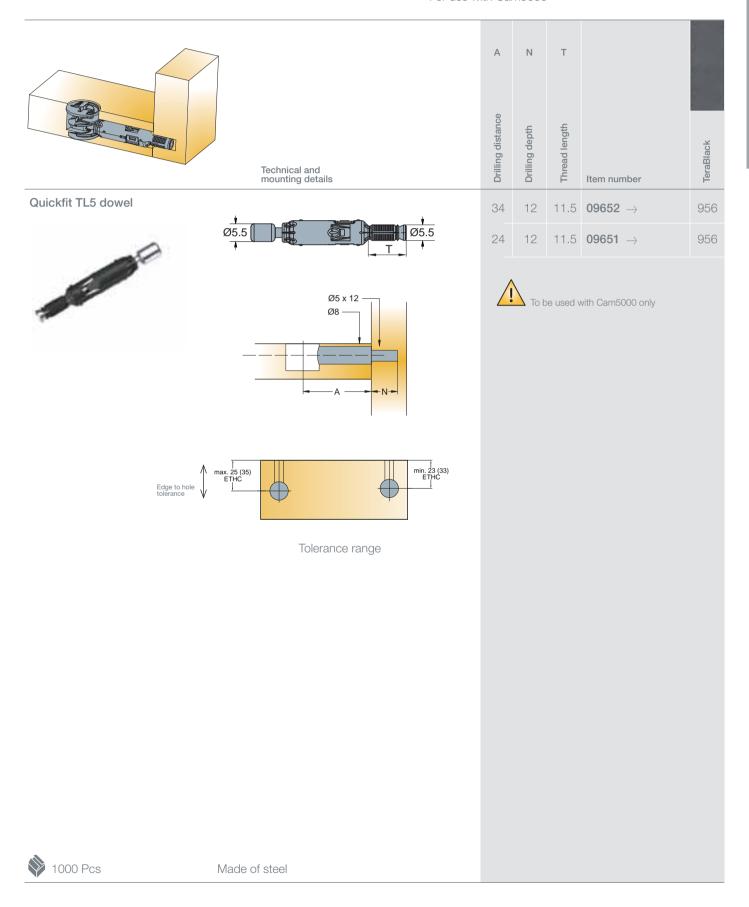
The toroidal dowel head form transfers the forces between cam and dowel more effectively resulting in a small cam bursting force.



100% dimensional accuracy assured

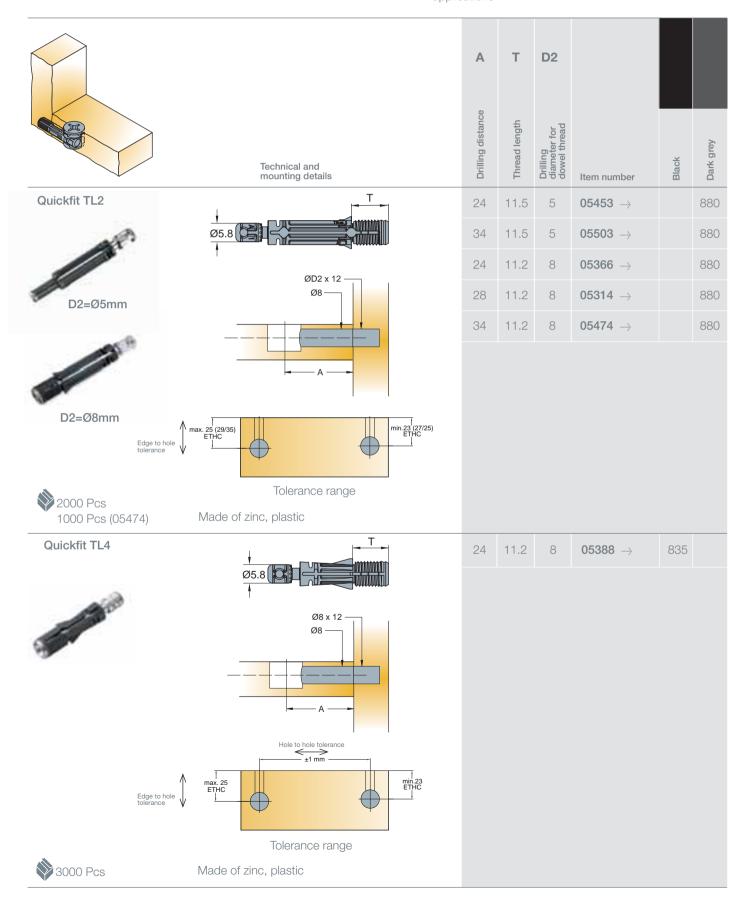
## Quickfit TL5 'Full Metal Jacket'

- · Drilling tolerances of +1/-1mm when edge inserted
- Expanding steel sleeve assures a strong joint, highly resistant to pull-out
- Tool-free insertion technology for Ø5mm holes in multiple wooden materials (chipboard, MDF, solid wood)
- · For use with Cam5000



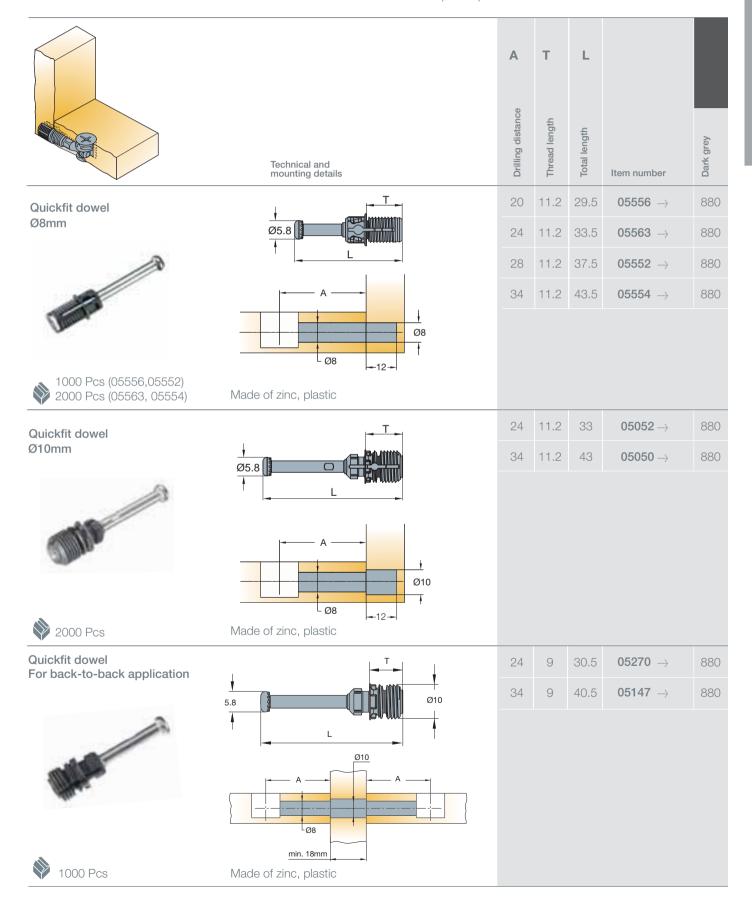
## Quickfit TL Dowels

- Available in Ø5mm and Ø8mm for panel-to-panel applications
- · For use with all Cam3000 S and Cam5000 products
- · 'Klix' locking feature provides a strong, vibration proof joint
- Highly tolerant in edge-inserted, TL4 also in face-inserted applications



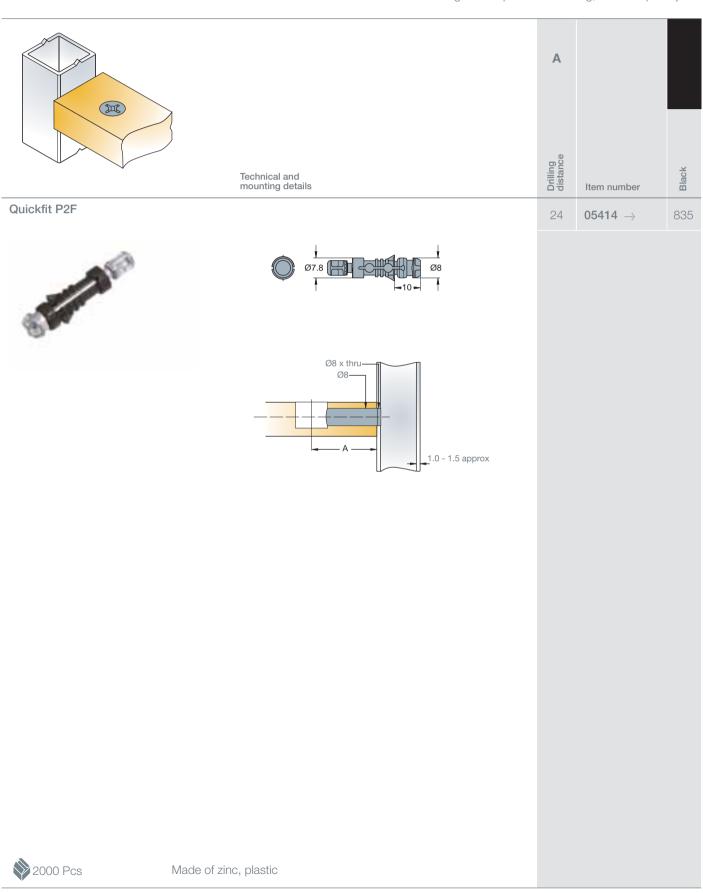
### Quickfit Dowels

- Available in Ø5mm, Ø8mm and Ø10mm for panel-topanel applications
- · For use with all Cam3000 S and Cam5000 products
- · 'Klix' locking feature provides a strong, vibration proof joint
- · Depth stop collar for accurate insertion



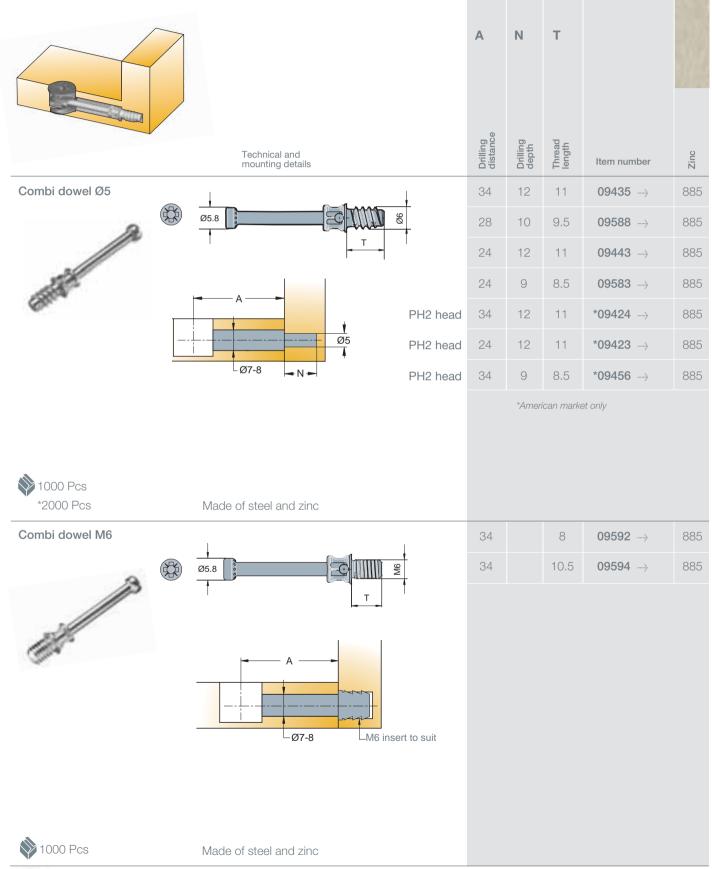
## Quickfit P2F Dowels

- The only product to enable standard panel drilling and connection of panel and hollow profile
- Available in Ø8mm for panel-to-hollow metal profile applications
- · For use with all Cam3000 S and Cam5000 products
- · 'Klix' locking feature provides a strong, vibration proof joint



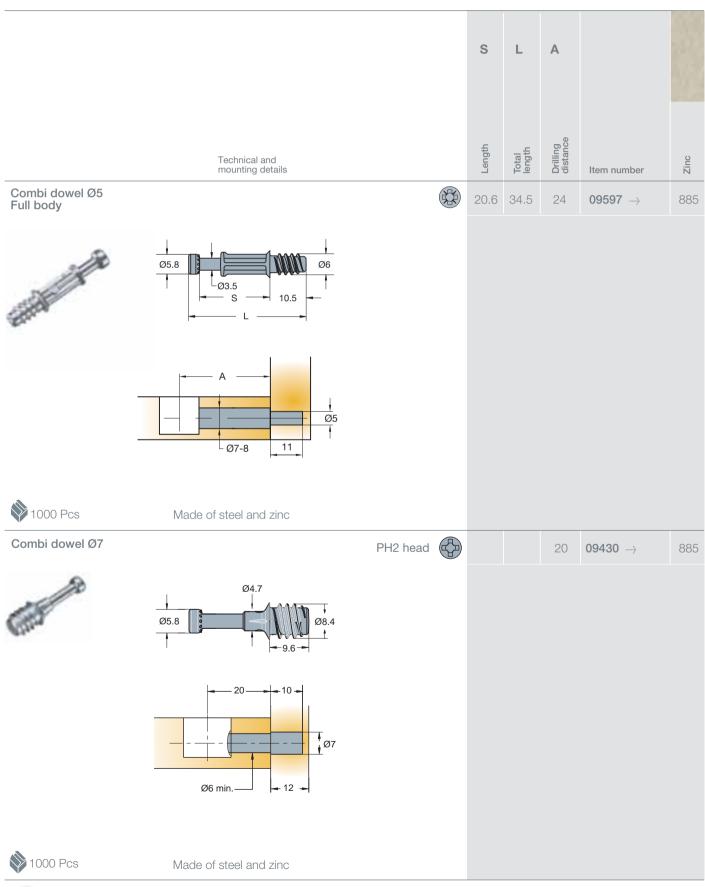
#### Combi Dowel

- High quality zinc-steel dowel with greater resistance to torsion and pull-out
- · For use with all Cam3000 S and Cam5000 products
- 'Klix' locking feature provides a strong, vibration proof joint
- · Twinstart thread for faster and reliable insertion



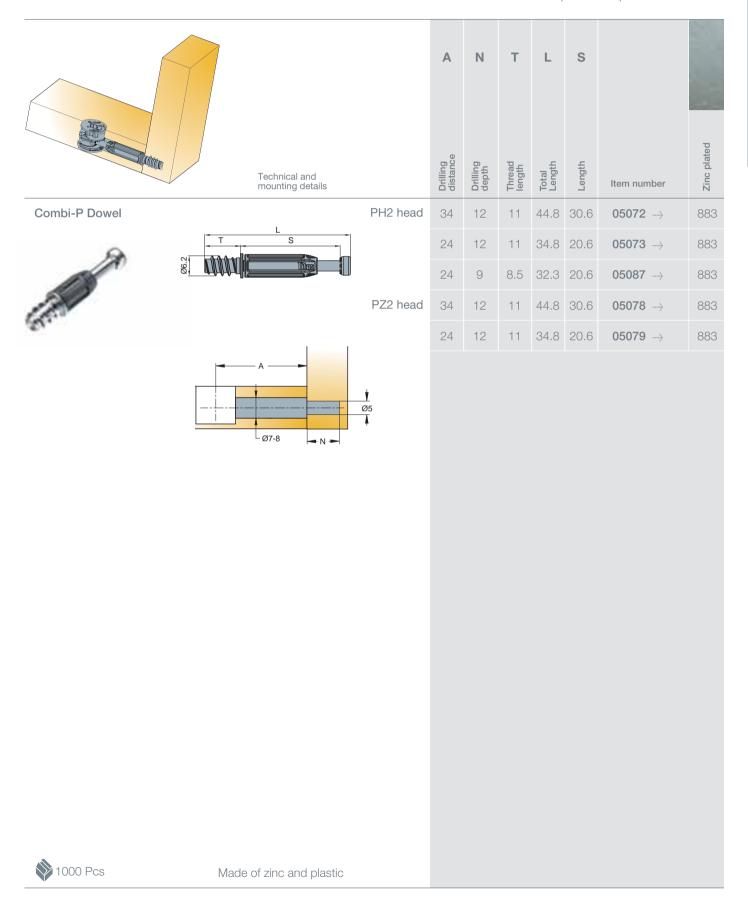
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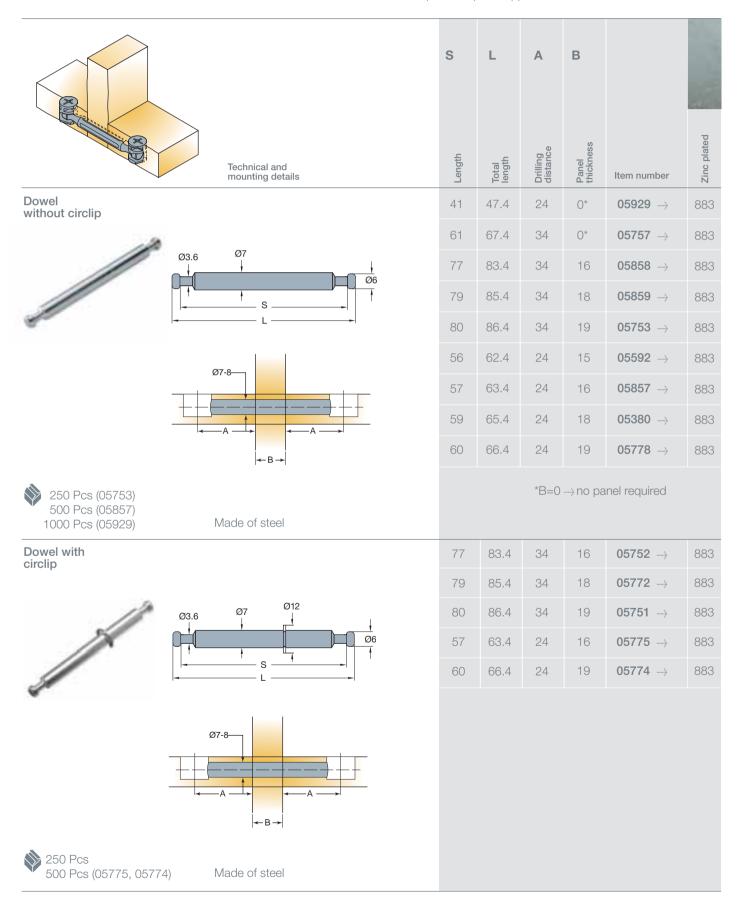
#### Combi-P Dowel

- Full body assures a strong joint highly resistant to torsion and pull-out, even in low density chipboard
- · Accurate insertion with positive stop



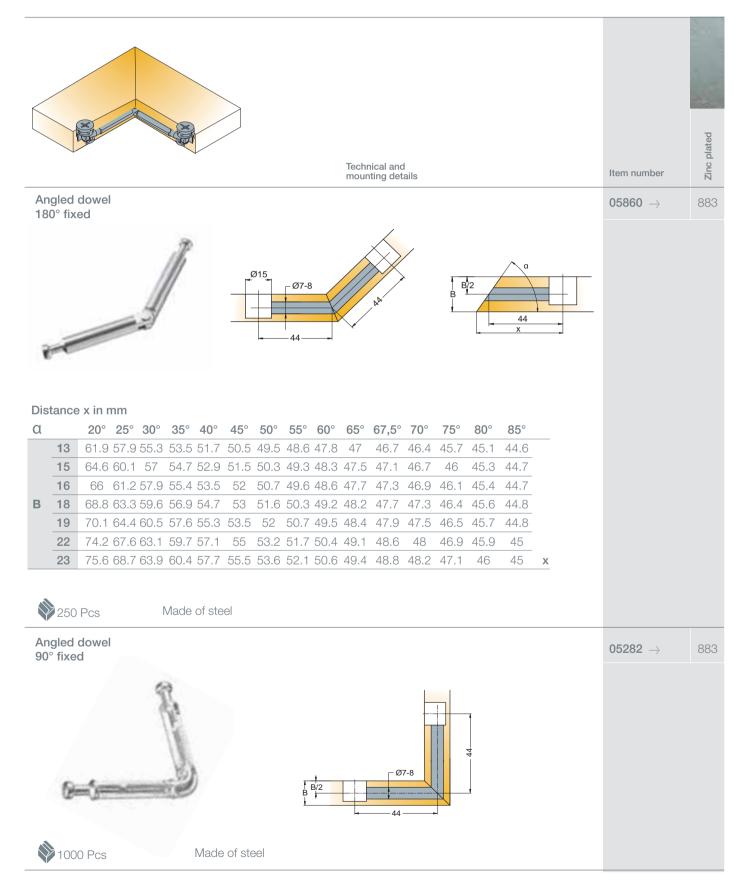
#### Double-ended Dowel

- · Available in Ø7mm
- · For use with all Cam3000 S and Cam5000
- · No circlip for increased tolerance
- Available in a variety of lengths to suit most panel-to-panel applications



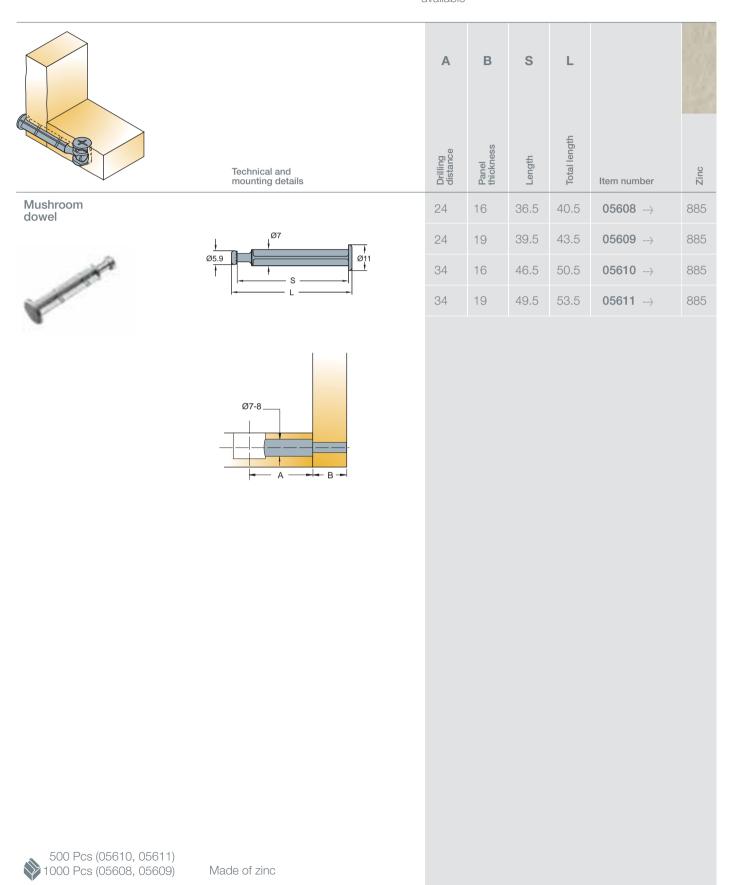
### Angled Dowels

- · For applications requiring angled joints
- For use with all Cam3000 S and Cam5000
- · Adjustable angle from 90° to 180°



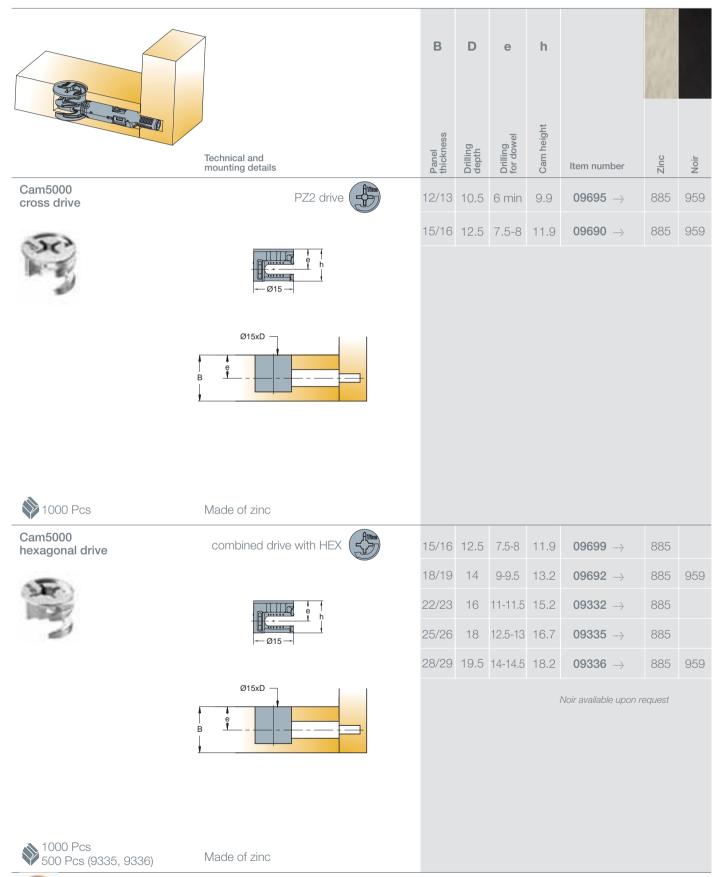
#### **End Dowels**

- Available in a variety of head and length combinations to suit most end panel applications
- · For use with all Cam3000 S and Cam5000
- · 'Klix' locking feature provides a strong, vibration proof joint
- Both 'mushroom' and countersunk headed versions available



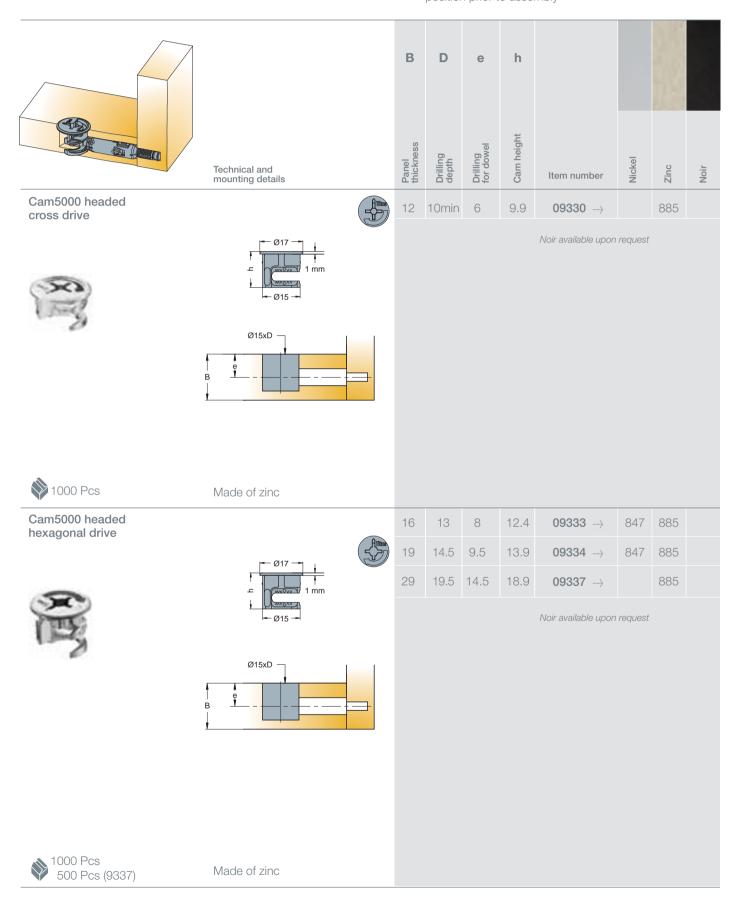
#### Ø15mm Cam5000

- · Improved central shape for highly resistant joint
- · For use with all Titus dowels
- · 'Klix' locking feature provides a strong, vibration proof joint
- Cam retaining pips ensure that a cam is held in panel position prior to assembly



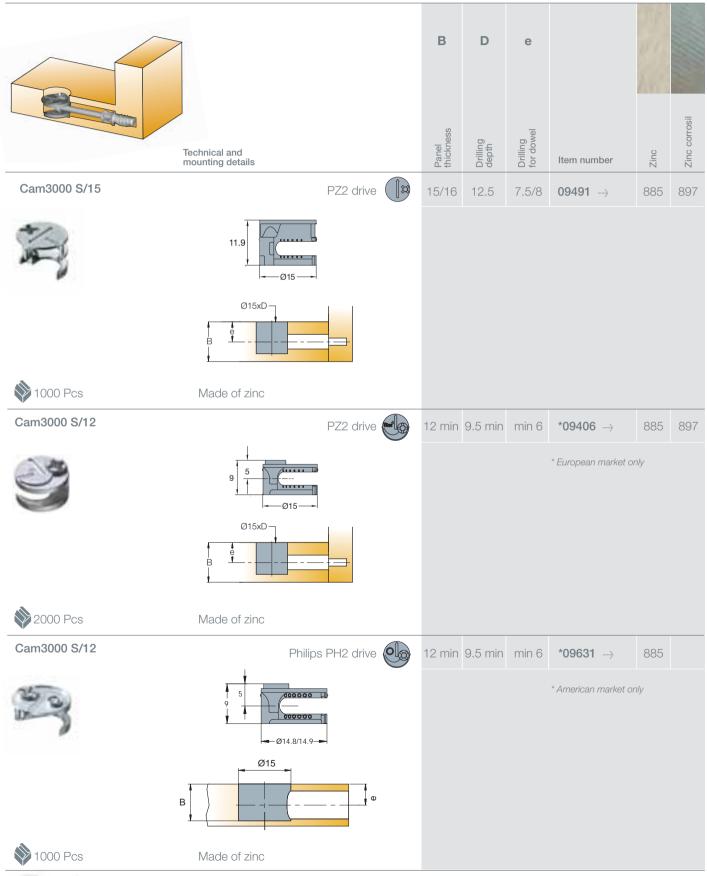
#### Ø15mm Cam5000

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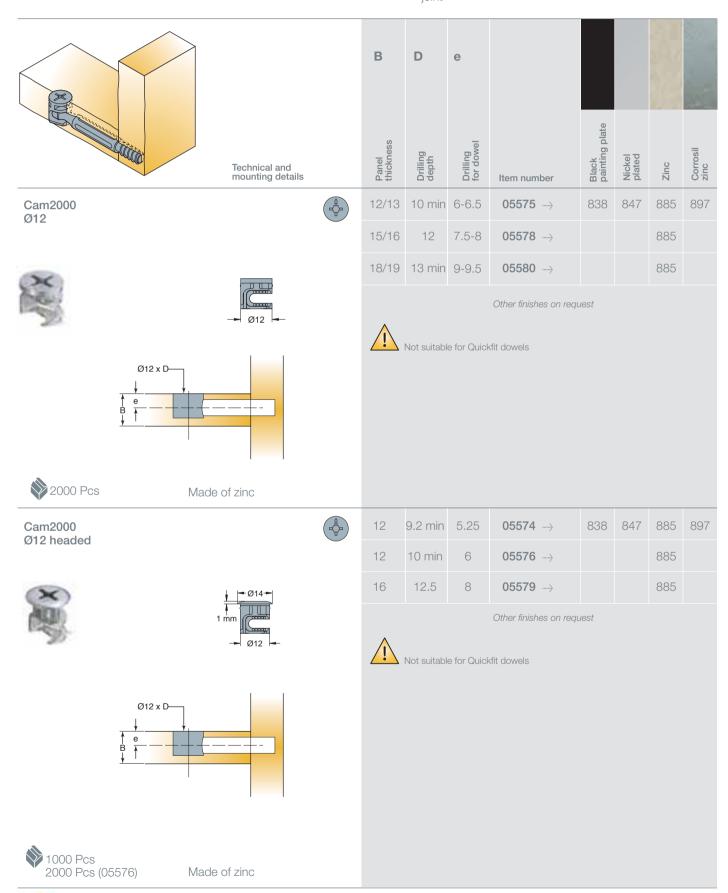
#### Ø15mm Cam3000 S

- · Innovative design offers optimal performance with maximum cost effectiveness
- For use with Combi dowels, forged steel dowels and Quickfit dowels
- 'Klix' locking feature provides a strong, vibration proof joint
- Cam-retaining pips ensure that a cam is held in panel position prior to assembly



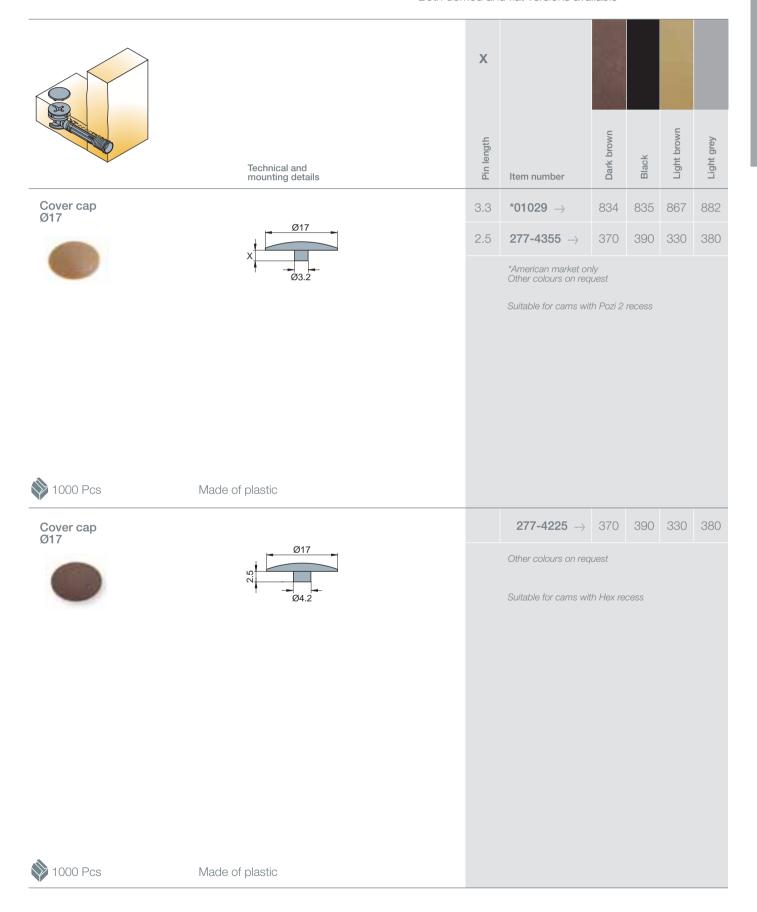
#### Ø12mm Cam2000

- · For all Titus screw-in dowels
- · Available in a variety of head, drive recess and board thickness versions to suit most applications
- · Particularly suited to drawer front attachment applications
- · 'Klix' locking feature provides a strong, vibration proof joint



### System 5 Cover Caps

- · Available in a variety of colours
- · For use with both pozi and hex cam drive features
- · Suitable for use with various diameter cams
- · Both domed and flat versions available



# System 6 Quickfit-Expando Connectors

#### System Features

A face boring connector family for 32mm system drilling with full range of panel and application variants for all cabinet manufacturing applications

- · Minimum drilling requirements
- Linear cam design for constant tightening loads when driving
- Angledrive feature on cam for maximum driving comfort
- Interchangeable pins for wood, plastic and steel applications
- · Pins with twinstart drive for fast insertion
- Interchangeable Quickfit pin fastenings available
- · Tool-less fastening capable versions
- · Back-to-back fastenings for common vertical panel fixing of shelves

System 6 consists of a range of 20mm diameter housing, Quickfit™ and conventional dowels, end dowels and double ended dowels.

Housings are made from high grade plastic or zinc, with zinc cams.

Wedgefix-6 connector is a special fastener without cam, simply to snap onto a pre-inserted dowel.

#### **Applications**

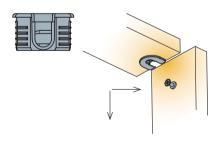
Titus System 6 is ideal for use in high volume production of case goods, closet and garage storage systems. Because no

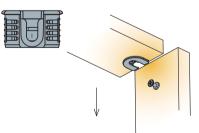
edge boring is required, it is an excellent choice for manufacturing environments with limited drilling capacity.

#### Side-entry Drop-on

**Side-entry** insertion of shelf panel: from the side or from the top

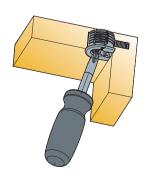






#### **Angledrive feature**

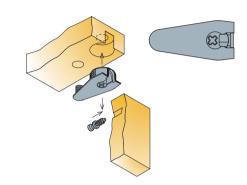
The angledrive feature on the cam allows for the angled position of the screwdriver with the locking action creating a tight and secure joint.

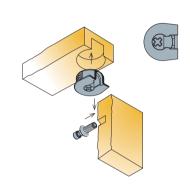


#### **System Features**

Outrigger/ Non outrigger Outrigger

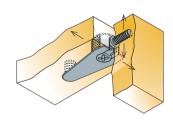
Non outrigger

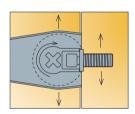




**Expando function** 

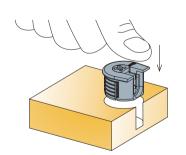
Expanding housings and dowels provide a tight joint.



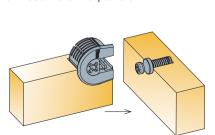


**Assembly** 

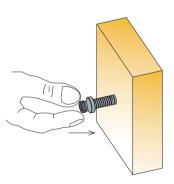
1. Press the housing into face board



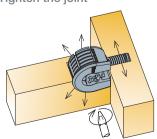
3. Assemble the panels



2. Press the dowel into side panel



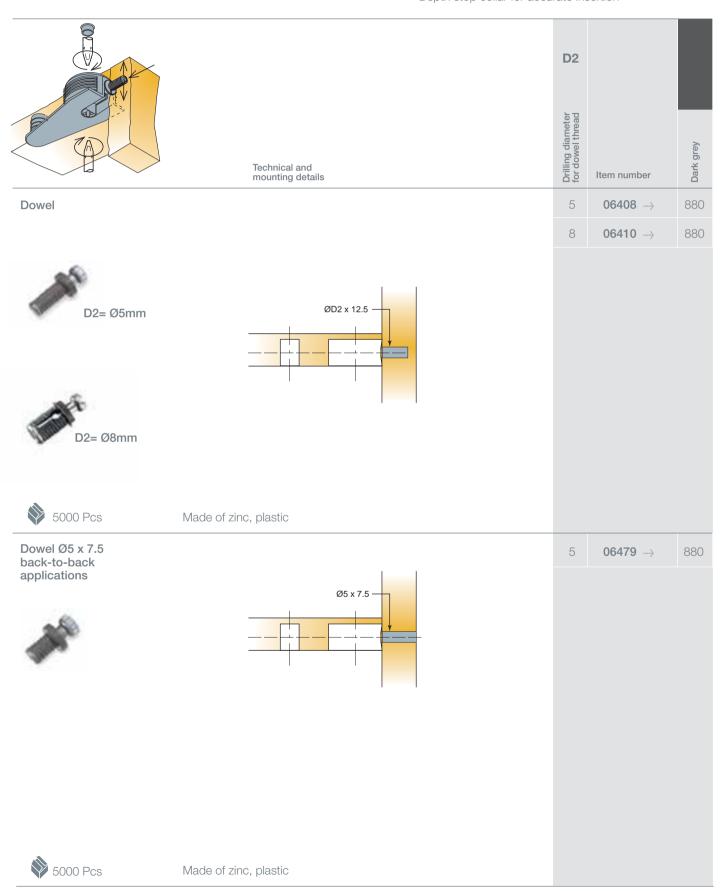
4. Tighten the joint





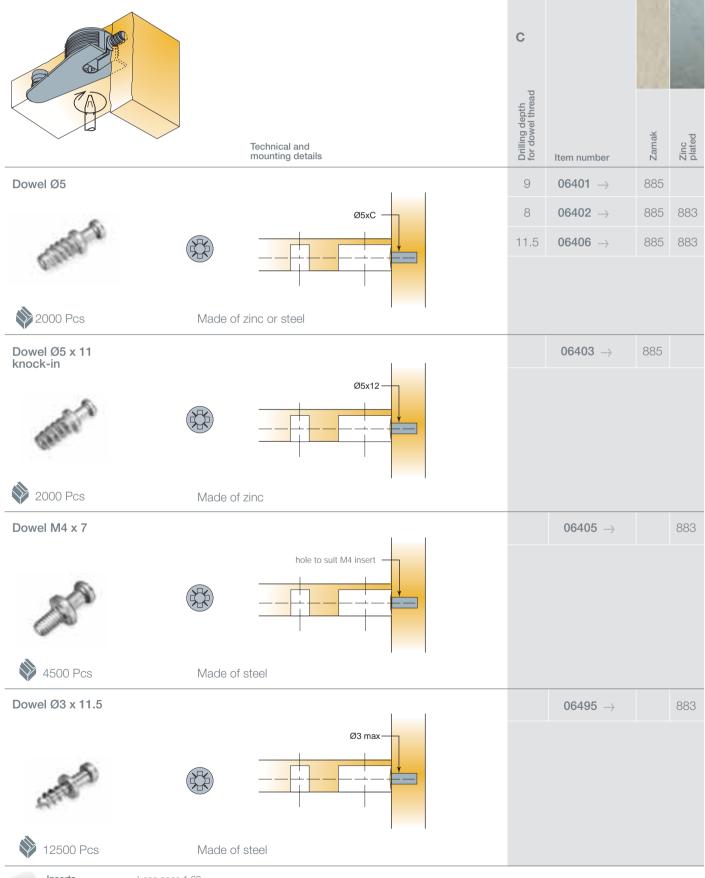
### **Expanding Dowels**

- · Available in Ø5mm, Ø8mm for panel-to-panel, and back-to-back applications
- · For applications with all Titus Ø20 and Sys 6 housings
- 'Klix' locking feature provides a strong, vibration proof connection
- · Depth stop collar for accurate insertion



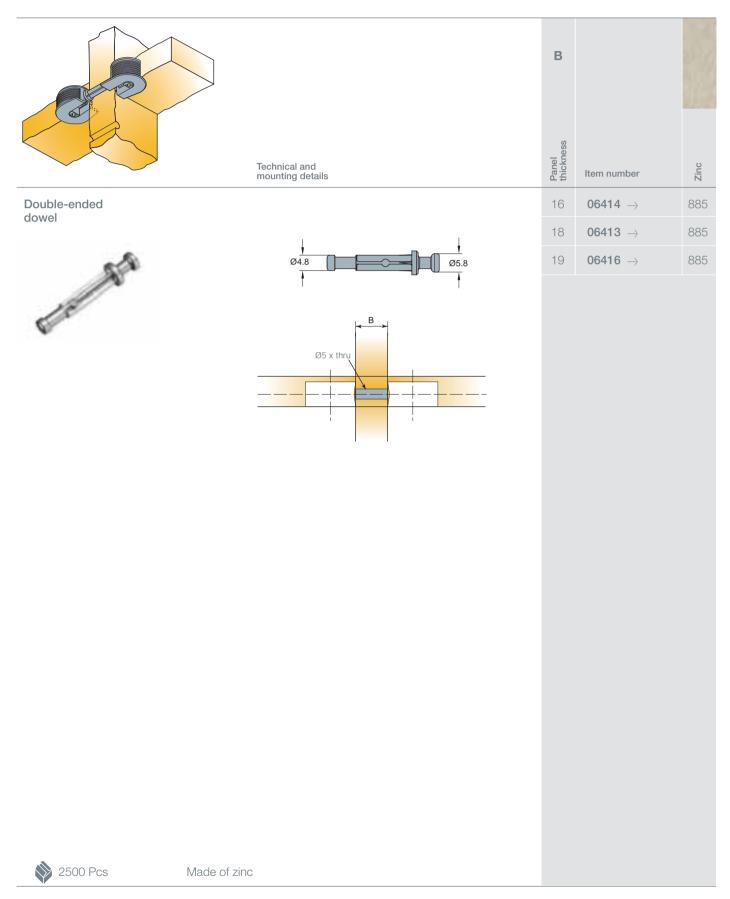
#### Dowels

- Available in various Ø3mm and/or Ø5mm thread forms for screw-in, knock-in and/or 'spiked' hole applications
- For applications with all Titus Ø20mm and Sys 6 housings
- 'Klix' locking feature provides a strong, vibration proof connection
- Dowels feature an integral skirt which acts as a positive stop during insertion



#### Double-ended Dowels

- · For 16mm, 18mm and 19mm board
- · For applications with all Titus Ø20mm and Sys 6 housings
- · 'Klix' locking feature provides a strong, vibration proof connection

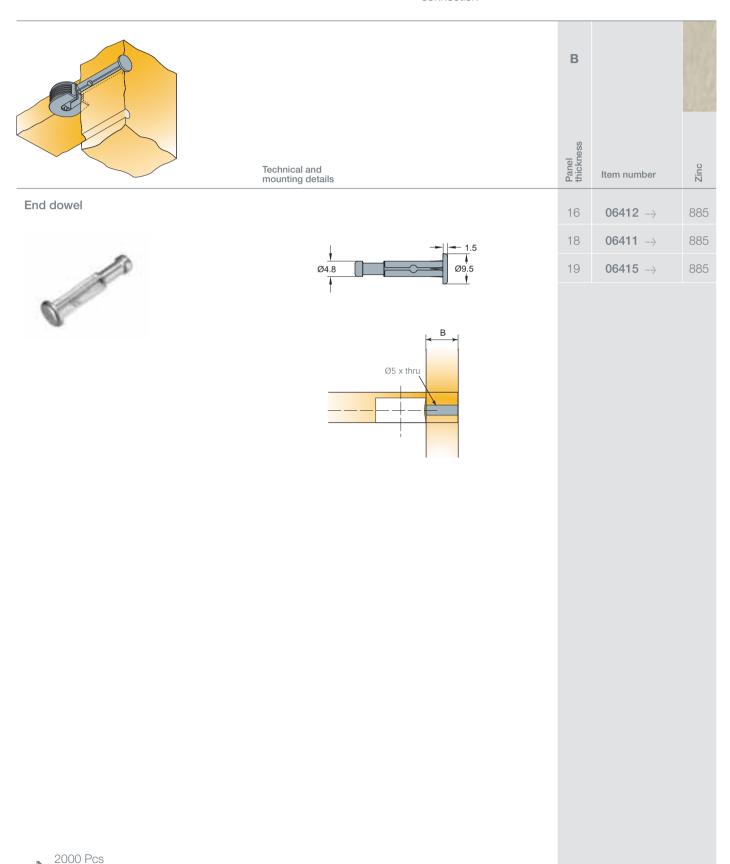


#### **End Dowels**

1000 Pcs (06411)

Made of zinc

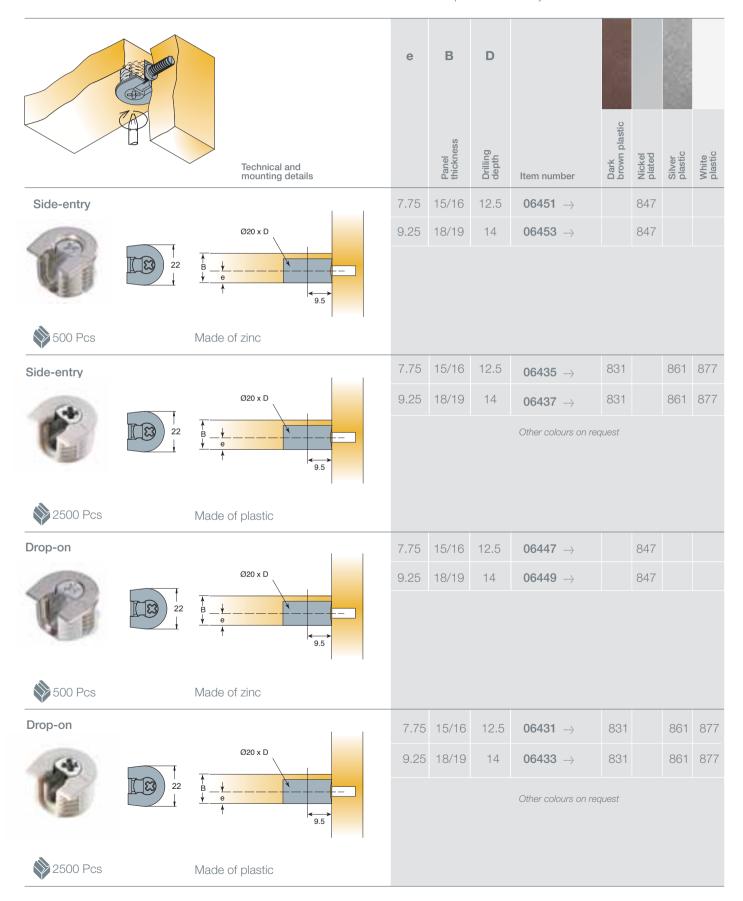
- · For 16mm, 18mm and 19mm board
- For applications with all Titus Ø20mm and Sys 6 housings
- 'Klix' locking feature provides a strong, vibration proof connection



**Titus** 

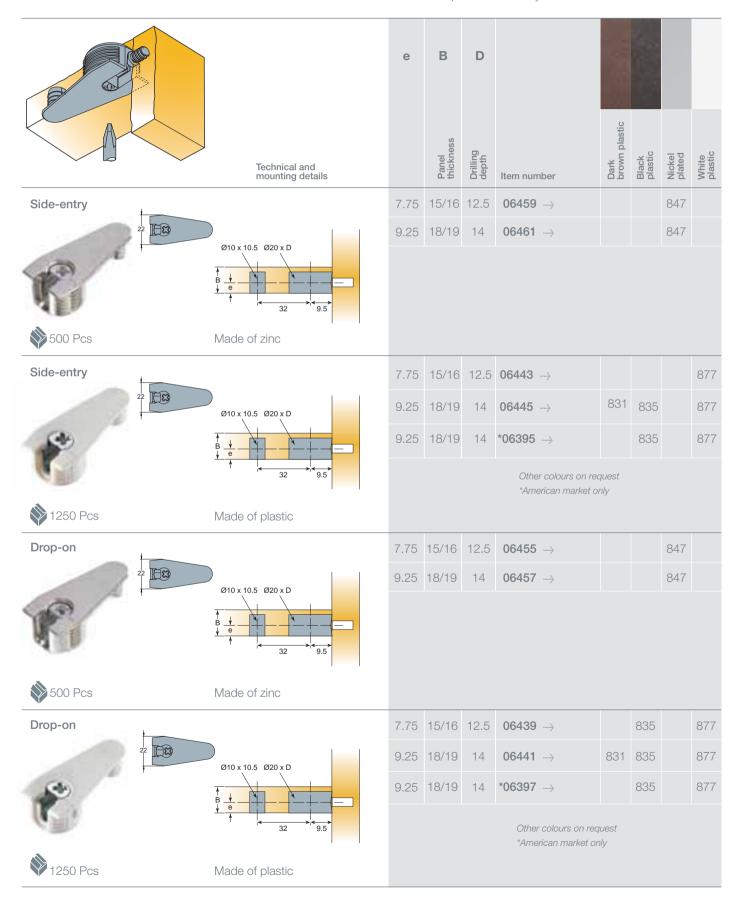
### 20mm Expanding Housing Non-outrigger

- Available in 15mm/16mm and 18mm/19mm versions for drop-on and/or side-entry applications
- · Available in all-metal or plastic/metal options
- 'Klix' locking feature provides a strong vibration proof connection
- · Compatible with all Sys 6 screw-in and Quickfit dowels



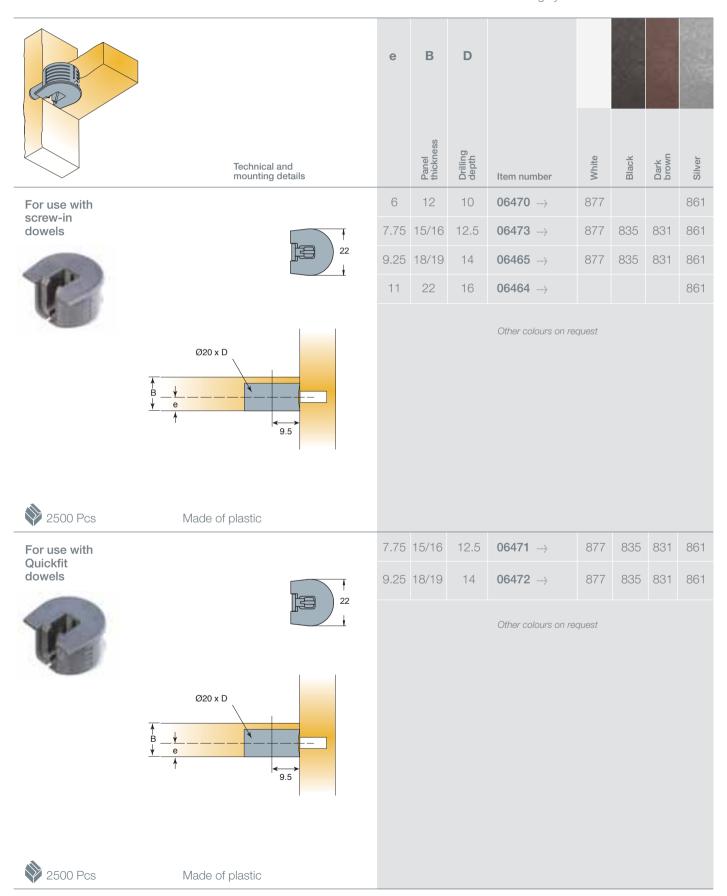
#### 20mm Expanding Housing Outrigger

- · Available in 15mm/16mm and 18mm/19mm versions for drop-on and/or side-entry applications Available in all-metal or plastic/metal options
- · 'Klix' locking feature provides a strong vibration proof
- · Compatible with all Sys 6 screw-in and Quickfit dowels



Expanding Wedgefix Housing (no Inner Cam)

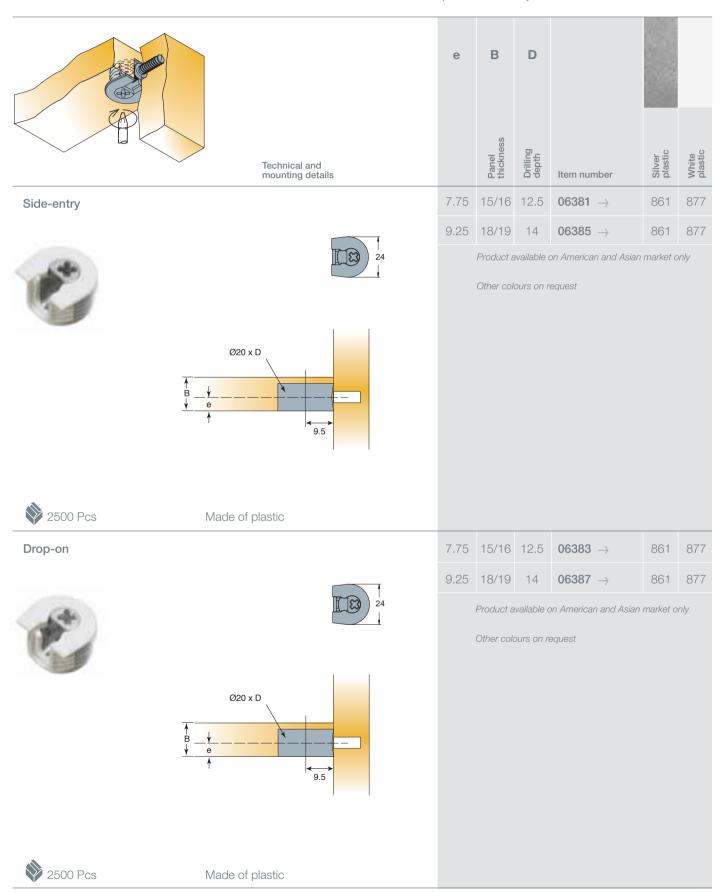
- Available in 12mm, 15mm/16mm and/or 18mm/19mm versions for Sys 6 screw-in and Quickfit dowel applications
- · Available in a variety of plastic colours
- Wedgefix housing allows easy customer hand-assembly or factory automated insertion
- When used with Sys 6 Quickfit dowels this provides a true tool-less fastening system



#### System 6

## 20mm Knock-in Housing Non-outrigger

- Available in 15mm/16mm and 18mm/19mm versions for drop-on and/or side-entry applications
- · Available in plastic-metal options
- 'Klix' locking feature provides a strong vibration proof connection
- · Compatible with all Sys 6 screw-in and Quickfit dowels

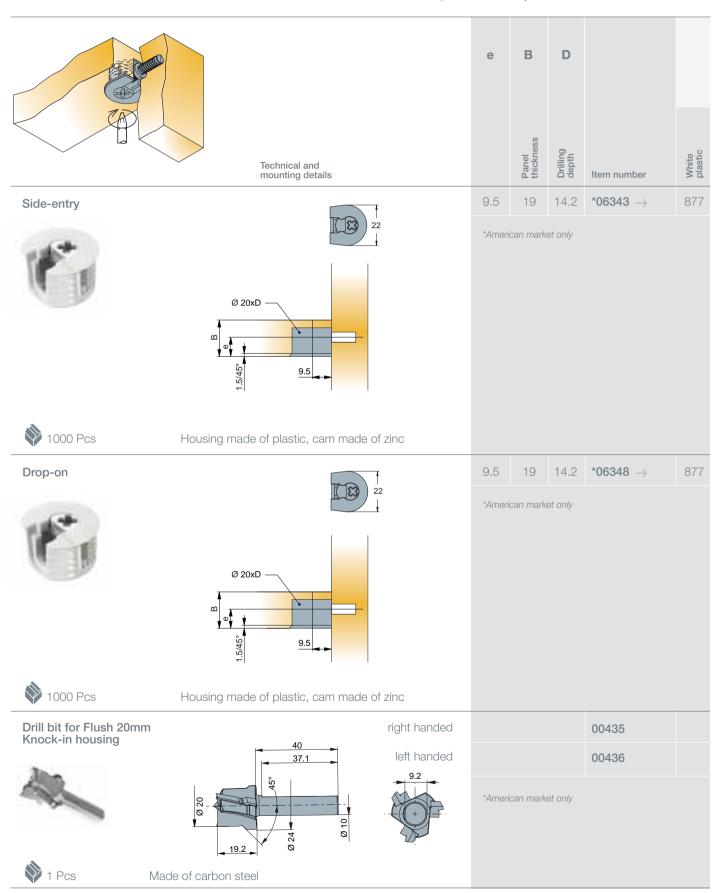


#### System 6

#### For use with dedicated drill bit only. See below.

### Flush 20mm Knock-in Housing Non-outrigger

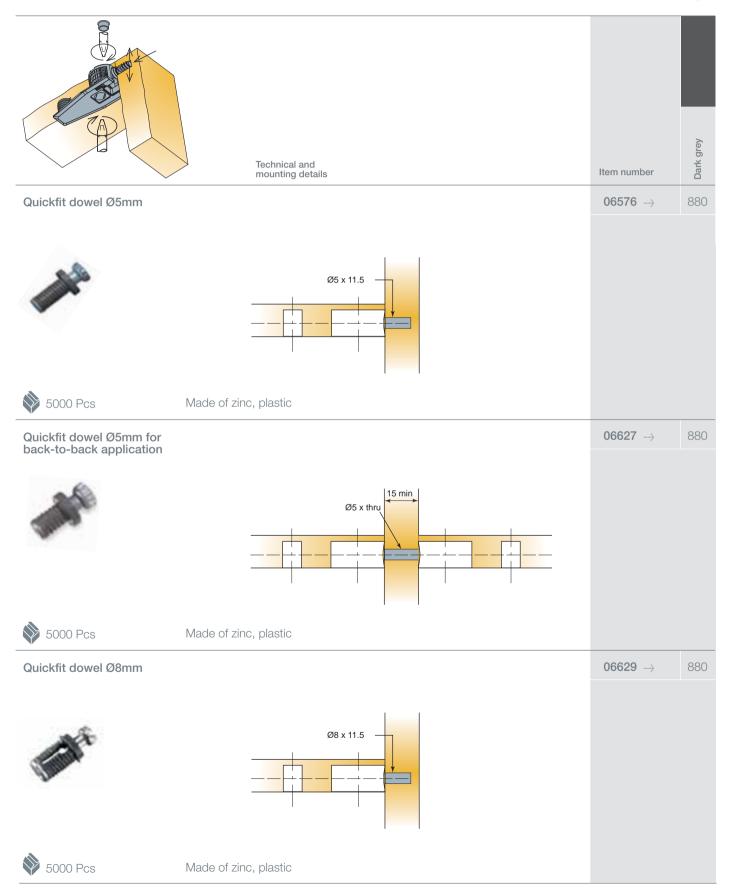
- · A face-boring connector with the flush housing permits easy flat-pack transportation without panel damage
- Available for 19mm board thickness for drop-on and/or side-entry applications
- 'Klix' locking feature provides a strong vibration proof connection
- · Compatible with all Sys6 screw-in and Quickfit dowels



### Quickfit Dowels

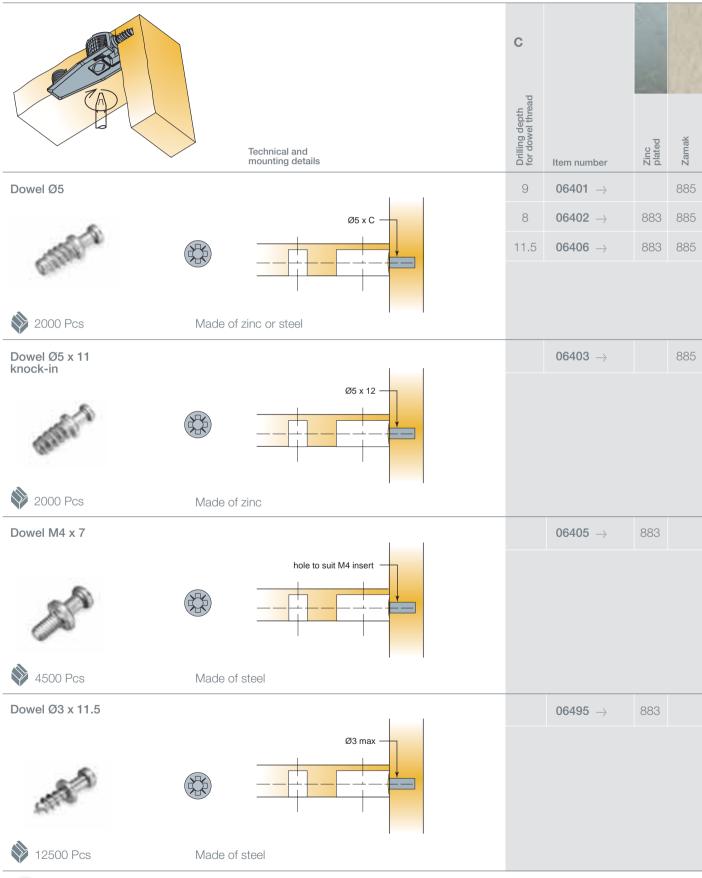


- · Tool-free insertion
- · Depth stop collar assures accurate insertion
- · Available in Ø5mm and Ø8mm
- · For applications with all Titus Sys 6.2 Ø20mm housings



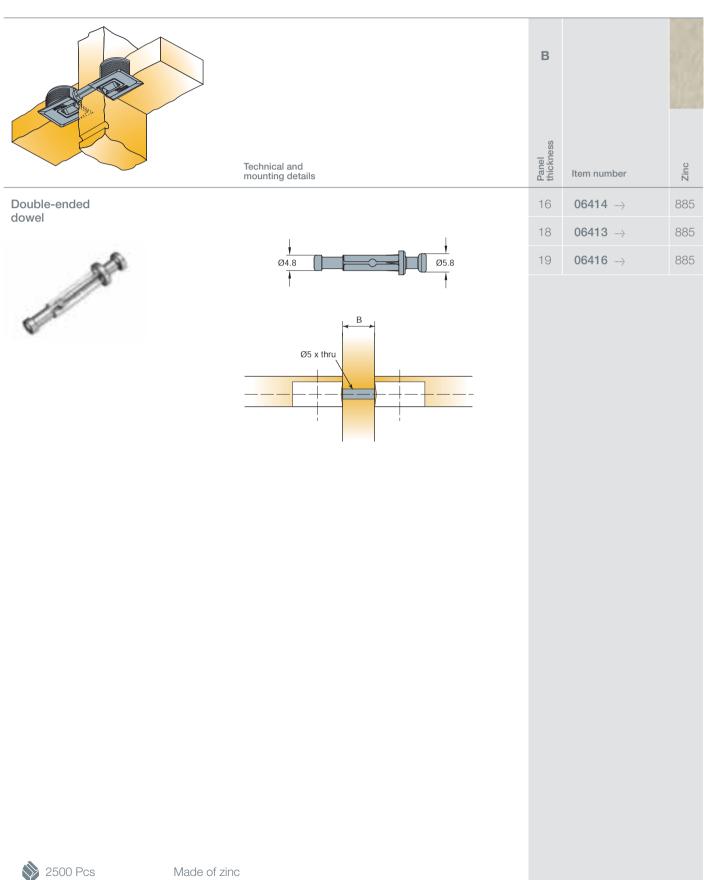
#### Screw-in Dowels

- $\cdot$  Available in Ø3mm and Ø5mm thread forms for screw-in, knock-in and 'spiked' hole applications
- For applications with all Titus Sys 6.2 Ø20mm housings
- Dowels feature an integral skirt which acts as a positive stop during insertion



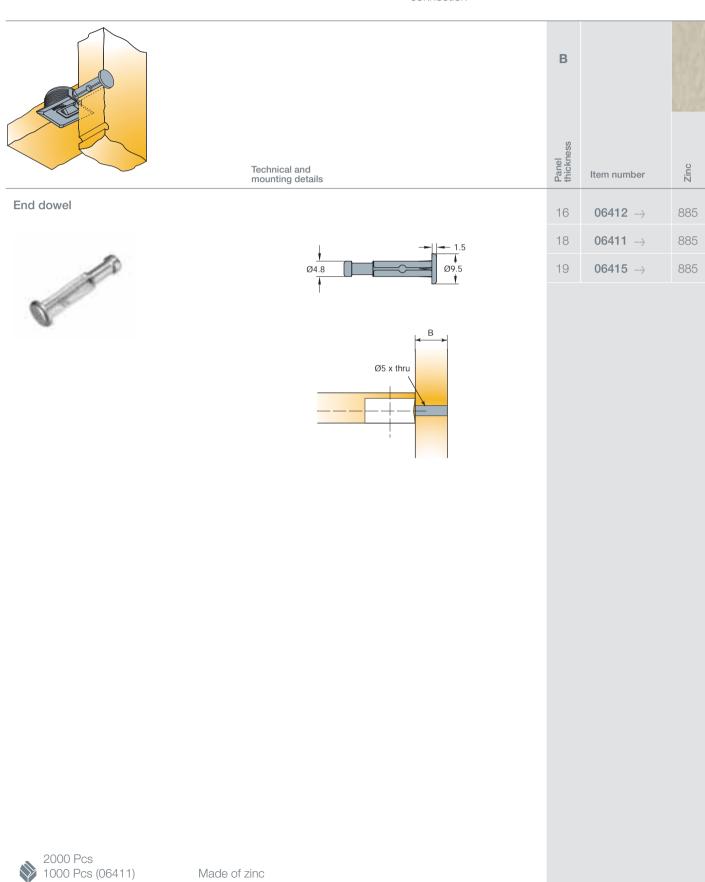
#### Double-ended Dowels

- · For 16mm, 18mm and 19mm board
- $\cdot$  For applications with all Titus Sys 6.2 Ø20mm housings
- · 'Klix' locking feature provides a strong, vibration proof connection



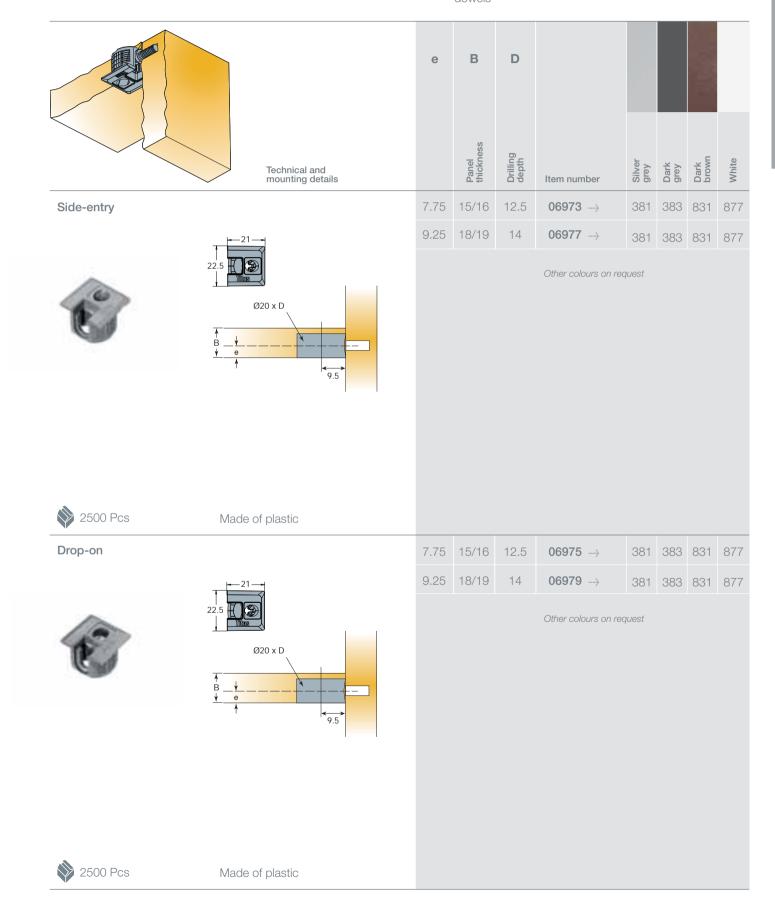
#### **End Dowels**

- · For 16mm, 18mm and 19mm board
- $\cdot$  For applications with all Titus Sys 6.2 Ø20mm housings
- · 'Klix' locking feature provides a strong, vibration proof connection



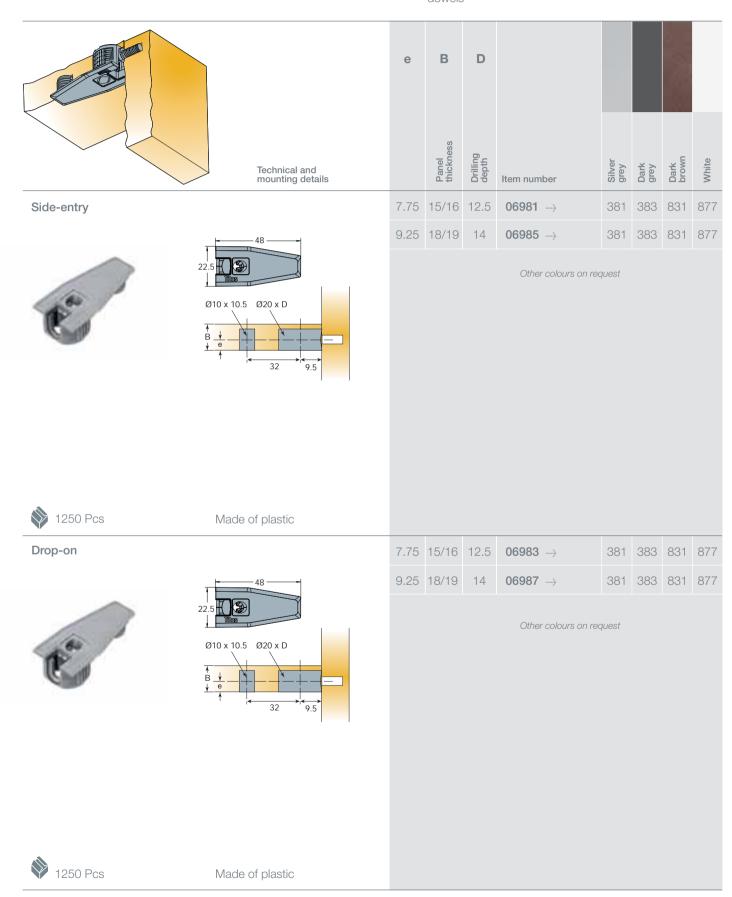
#### 20mm Knock-in Housing

- Available in 15mm/16mm and 18mm/19mm versions for drop-on and side-entry applications
- · Metal cover cap option
- 'Klix' locking feature provides a strong vibration proof connection
- Compatible with all Sys 6.2 screw-in dowels and Quickfit dowels



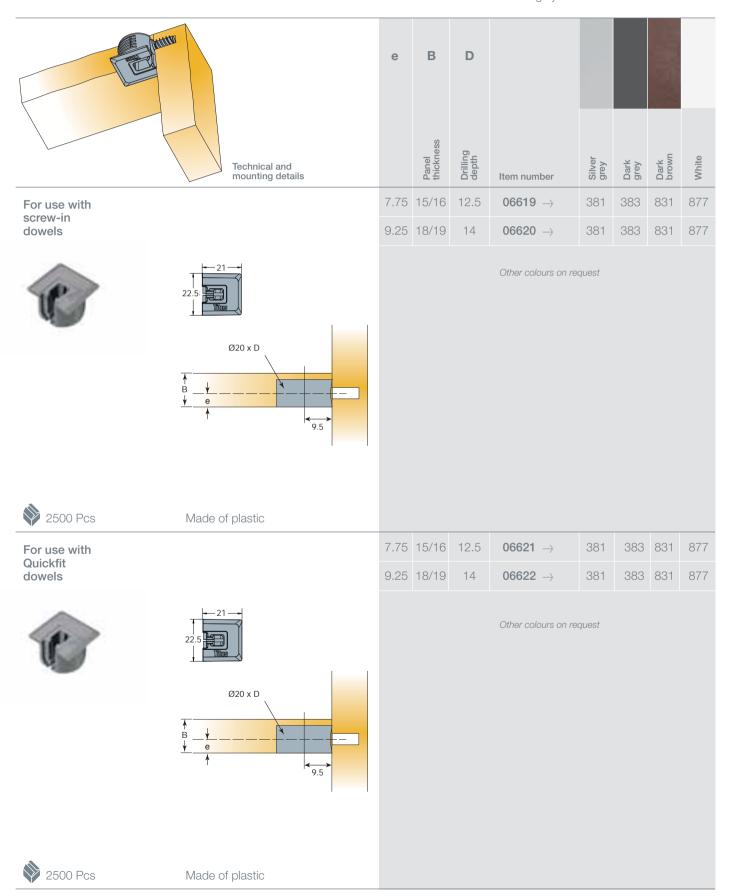
## 20mm Knock-in Housing Outrigger

- Available in 15mm/16mm and 18mm/19mm versions for drop-on and side-entry applications
- · Metal cover cap option
- 'Klix' locking feature provides a strong vibration proof connection
- Compatible with all Sys 6.2 screw-in dowels and Quickfit dowels



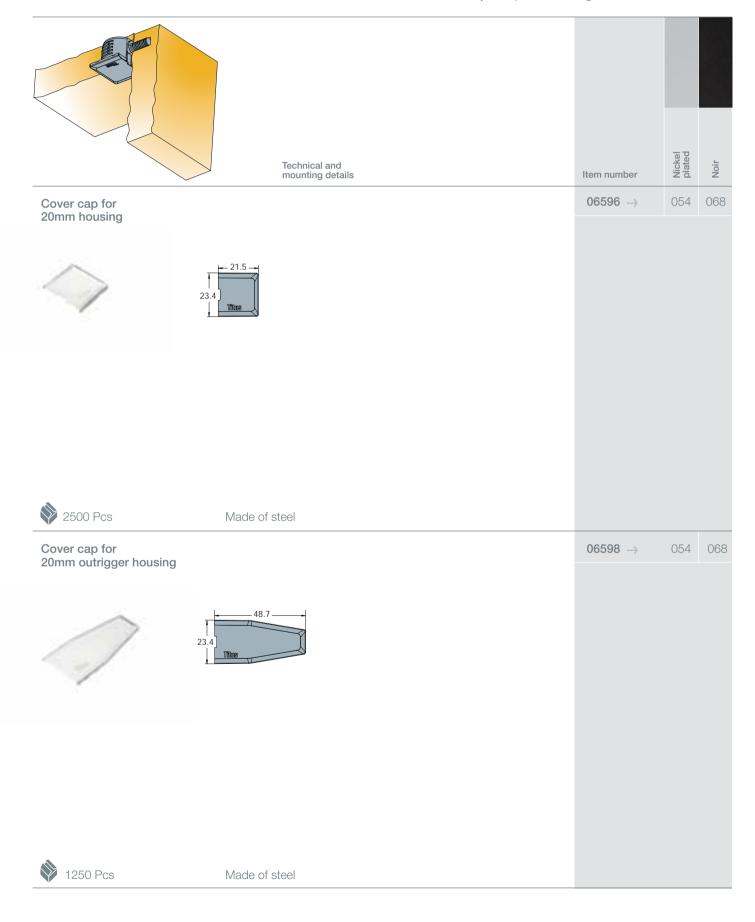
## Wedgefix Housing (no Inner Cam)

- · Available in 15mm/16mm and 18mm/19mm versions
- Compatible with all Sys 6.2 screw-in dowels and Quickfit dowels
- Wedgefix housing allows easy customer hand assembly or factory automated insertion
- When used with Sys 6.2 Quickfit dowels this provides a true toolless fastening system



### Add-on Cover Caps

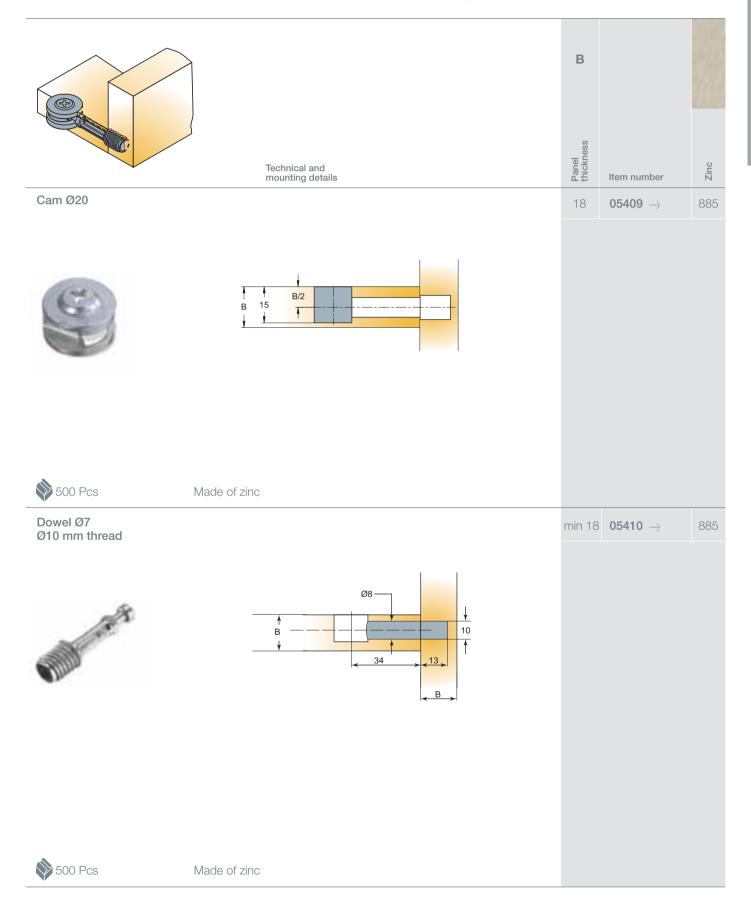
- · Metal cover caps for retrofit mounting
- · Enhanced look and contemporary design
- · Fits all Sys 6.2 plastic housings



#### System 7

#### Heavy Duty Ø20mm Cam and Dowel

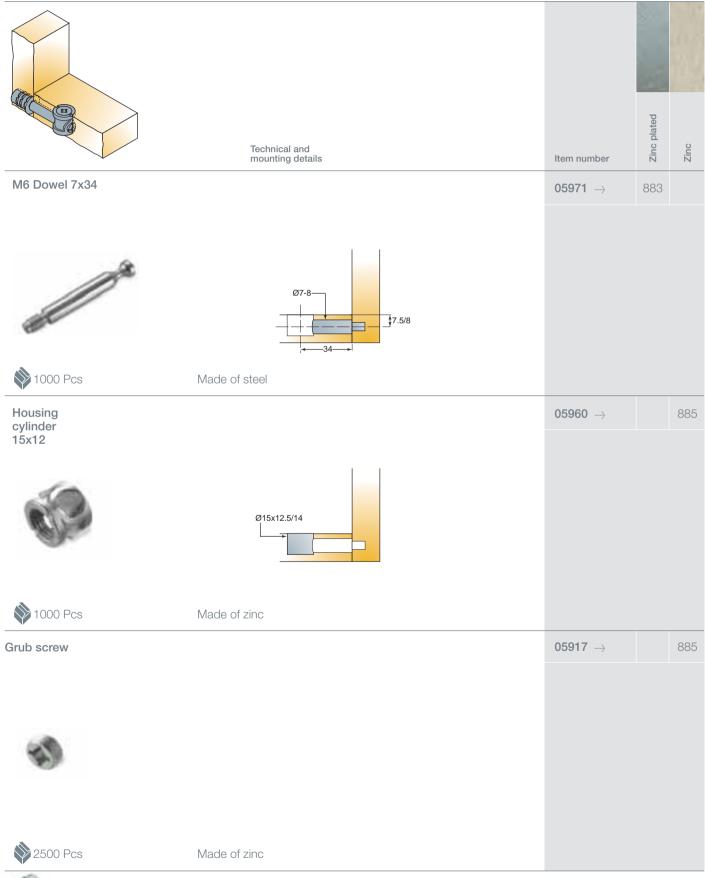
- Dowel available with Ø10mm eurothread and cam available in Ø20mm for a variety of panel thicknesses
- · 'Klix' locking feature provides strong, vibration proof joint
- High strength product that eliminates the need for time consuming metal inserts



#### System 7

#### High Strength Connectors Contract Fix™ System

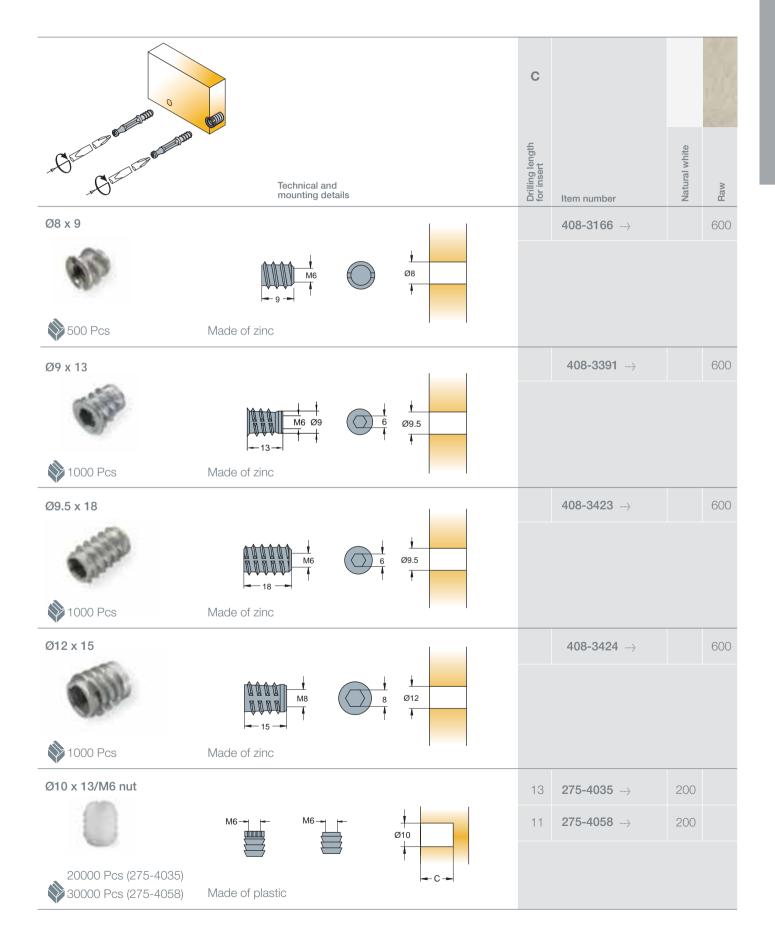
- · High performance fastener
- · Thread design gives repeatability
- · Multi-drive recess
- · Higher than average pull-up



### Accessories for Connectors

#### Inserts

- Available in both zinc and plastic for use in various applications
- · For use with various threaded dowels
- · For use with various panel thicknesses
- · Knock-in and screw-in versions available





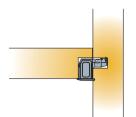
# Cabinet Accessories

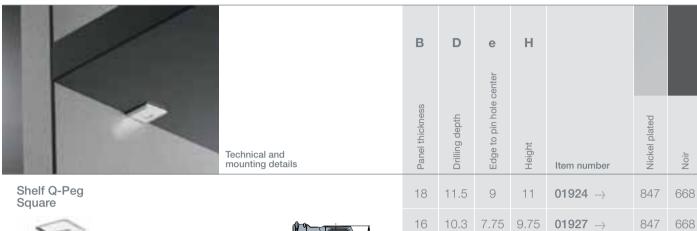
#### **Shelf Q-Peg**

- · Easy and quick installation
- · Structural cabinet stabilty through shelf-to-panel connection
- · Minimalistic appearance
- · In line with the shelf surface



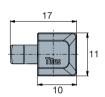


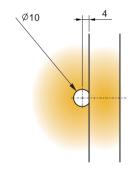


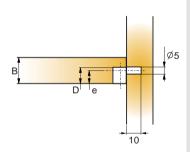




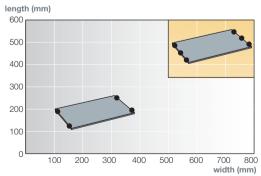








#### Capacity chart



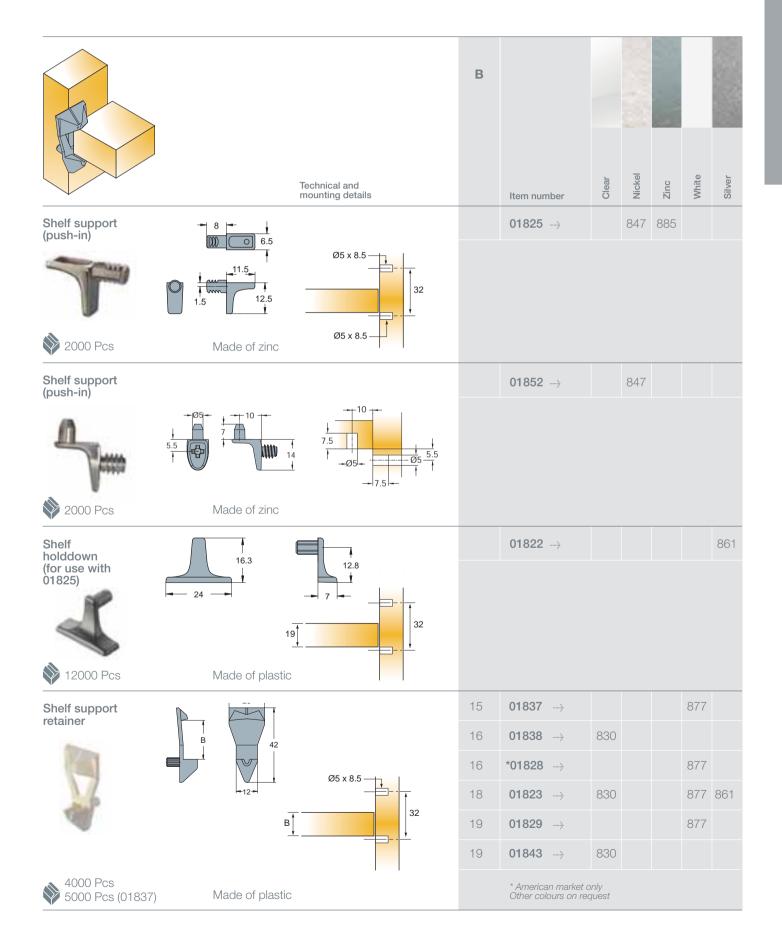
Recommended number of mounted pieces, 4 or 6 per shelf, is determined by its size in accordance with the EN 14749:2016



Made of zamak

## **Shelf Supports**

- Hold down feature traps the shelf in place for security
- · Folding design allows the shelf to be post mounted in an assembled cabinet
- $\cdot\,$  To suit a wide range of shelf thicknesses
- · Pad for metal shelf support when using glass



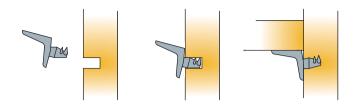
## **Shelf Supports**

Mounting procedure:



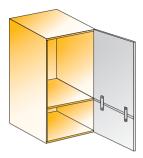
## **Shelf Supports**

Mounting procedure:

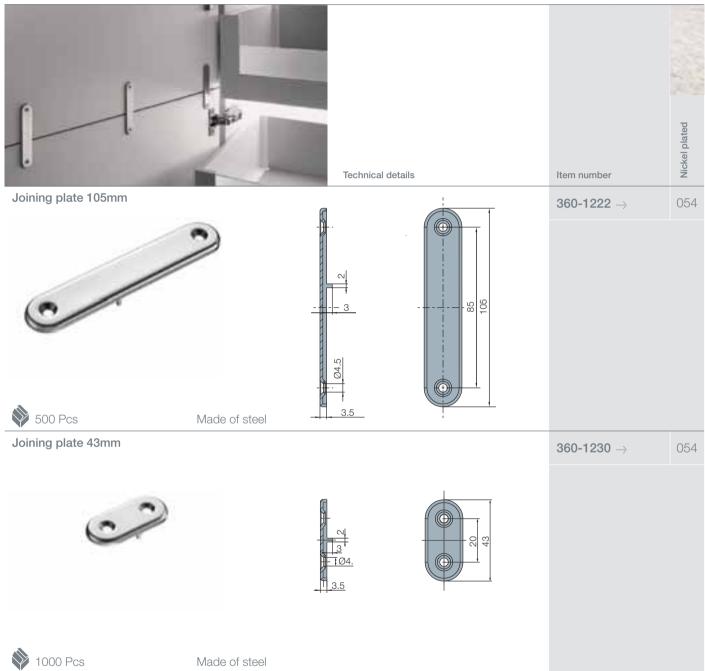




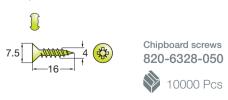
## **Joining Plates**



- · Rigid and strong
- · No pre-drilling
- · Spacer pegs provide an even 2mm gap
- · Sleek design

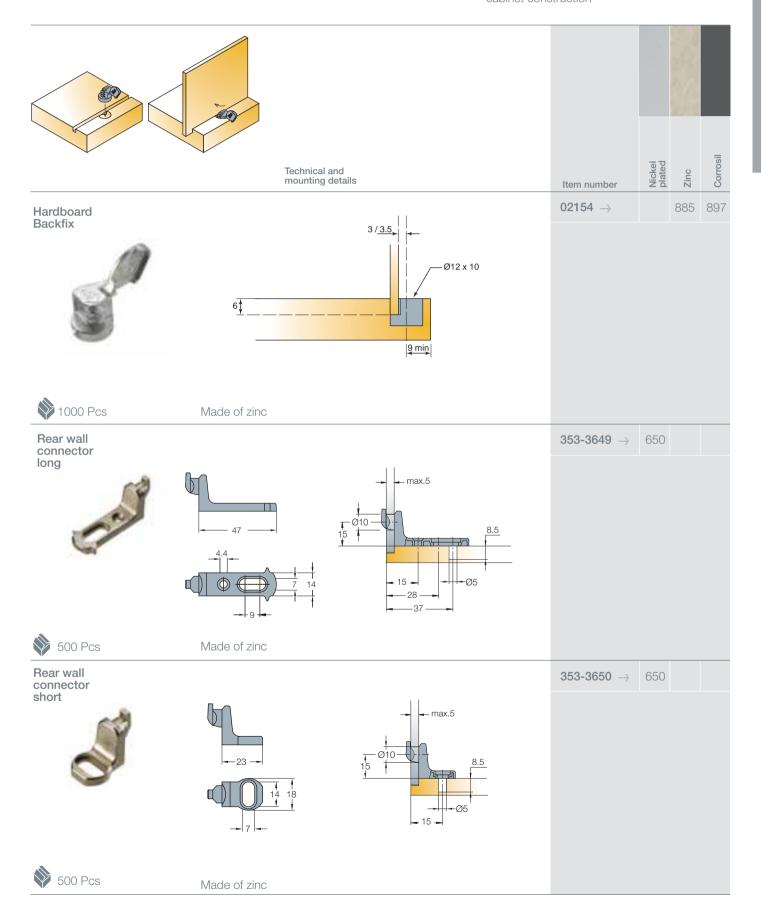


Fixing screw for cruciform mounting plate If not pre-mounted



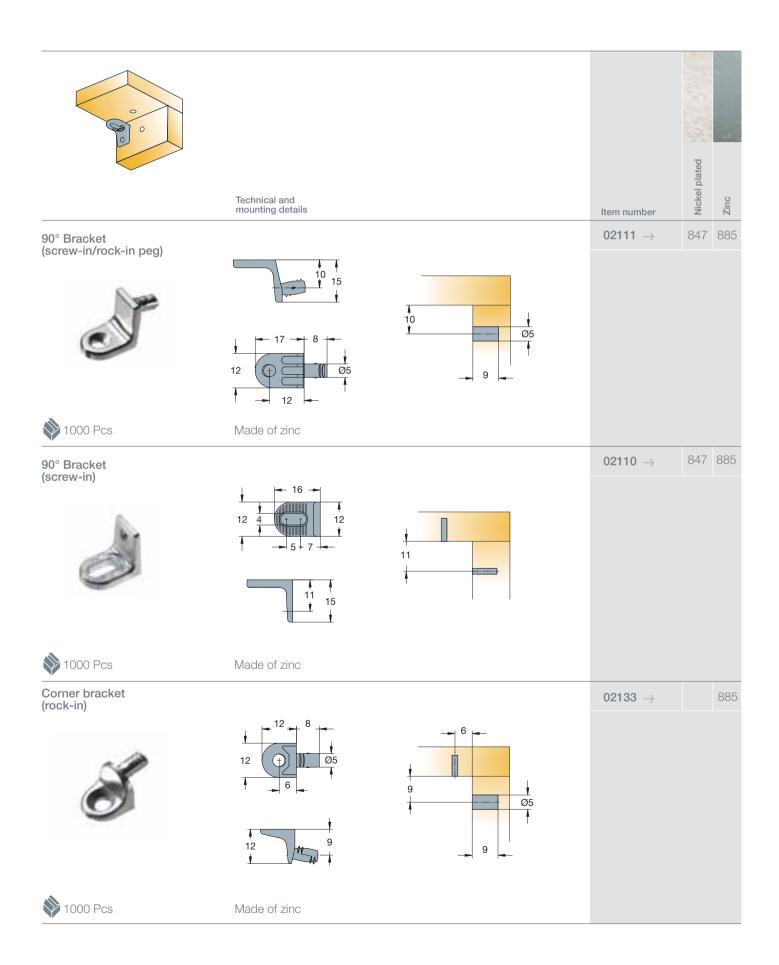
## No-Tools Backfix and Wall Connectors

- · Push-in design
- · No tools required to lock the Backfix panels together
- The handle acts as a stop during locking, providing greater accuracy and speed of insertion
- · Barbs provide a quality fastener for rigid cabinet construction



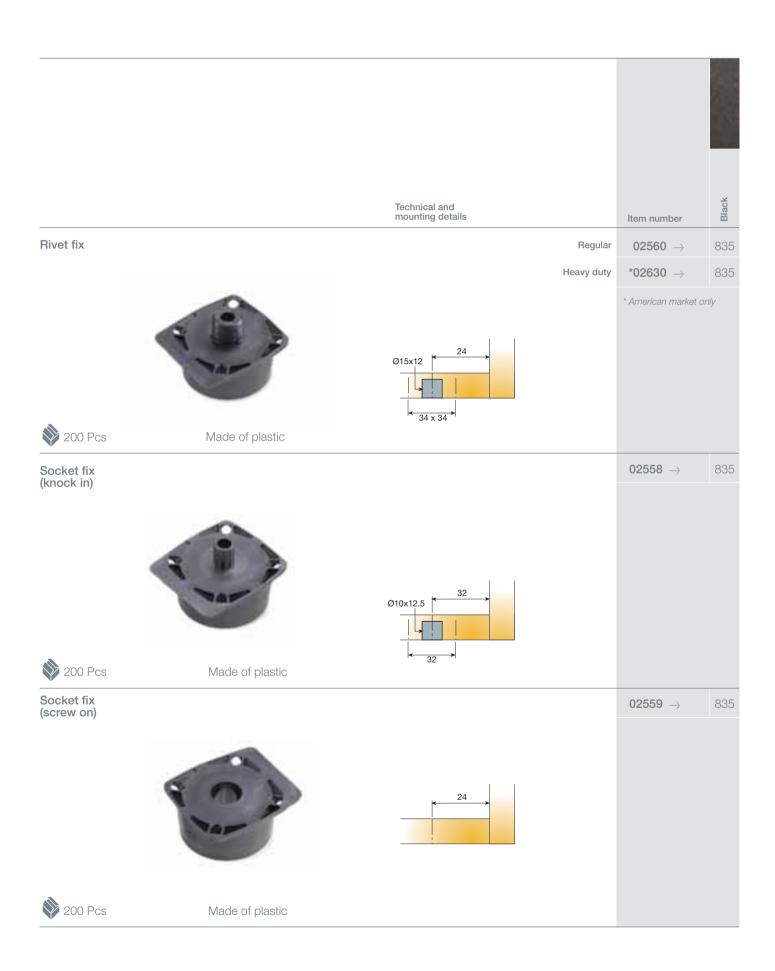
#### **Panel Brackets**

- · To be used to fix face frames to carcases without additional drilling to cabinet
- Designed for carcase side panel of 18mm thickness
   Edge to hole centre = 28mm
- · Easier fixing of frames due to parts that remain in holes once inserted

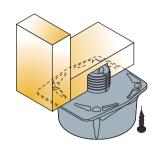


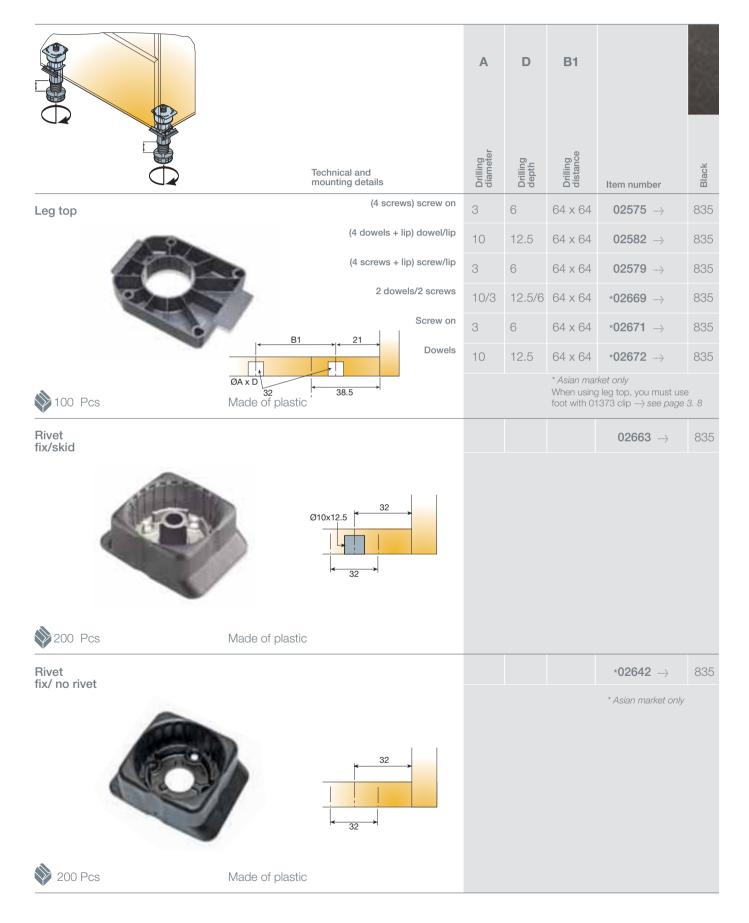
## **Adjustable Cabinet Legs**

## Leg Top Fixes



- · Lip provides additional support to end panel and gives extra strength
- The side fix has twin dowel mounting for positive location
- · Rivet fix design gives quick fastening of socket
- · Choice of dowel or screw on sockets
- · Invert second clip for corner plinth fixing





# Adjustable Cabinet Leg Range

Adjustable Leg, Extension and Foot

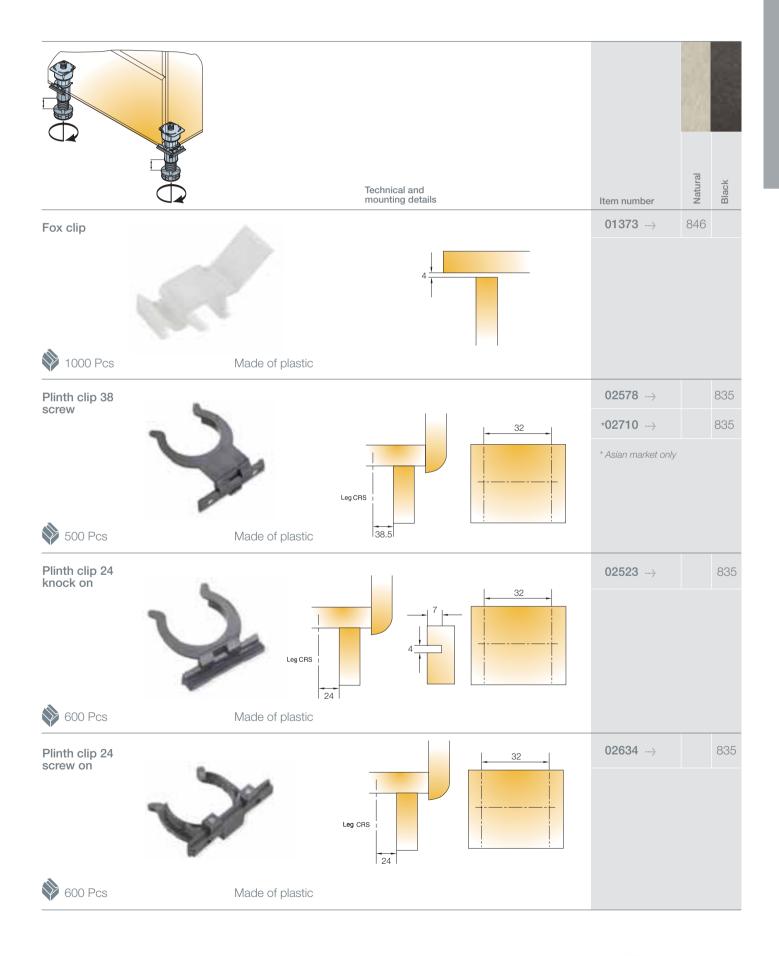
- · Legs are supplied assembled at a pre-set height
- · Wide adjustment range to fit all common plinth heights
- · Jacking point adjustment feature
- · Simple push on design to sockets



# Adjustable Cabinet Leg Range

## Plinth Clips and Fox Clip

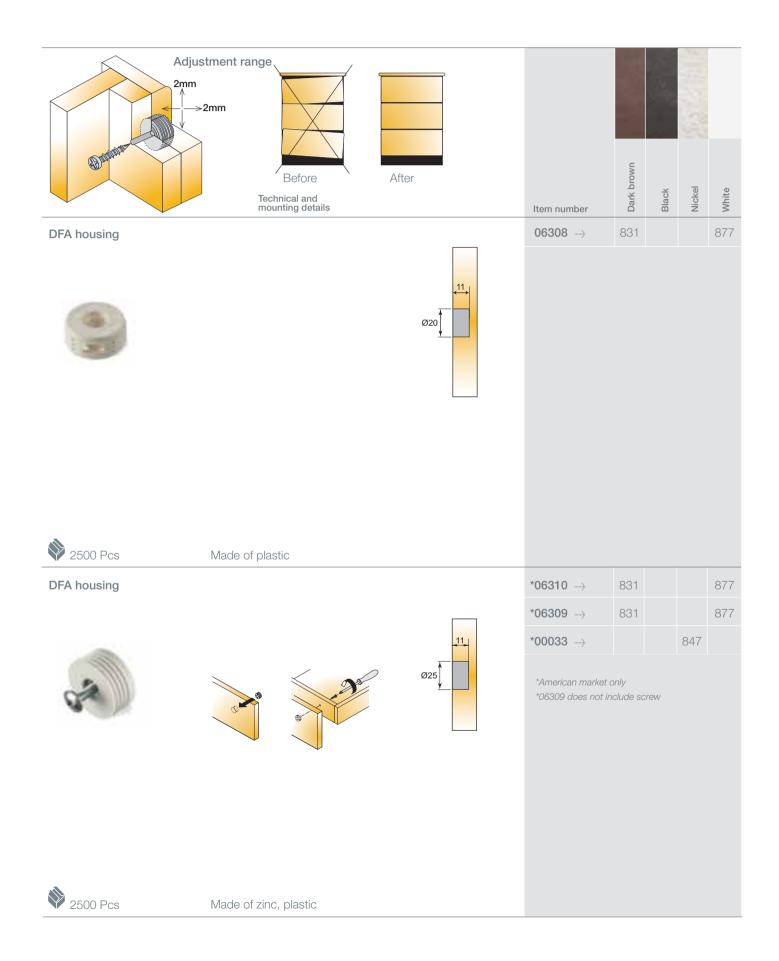
- · Spring design eliminates the need for drilling and fits into any position on plinth
- · The screw in version can sit in variable plinth positions
- · When taking plinth around the corner, the fitting is reversible



#### **Drawer Solutions**

## Drawer Front Adjuster (DFA)

- · Multi-direction adjustment
- · Locking screw to fasten
- · Independent of drawer system
- · One piece housing





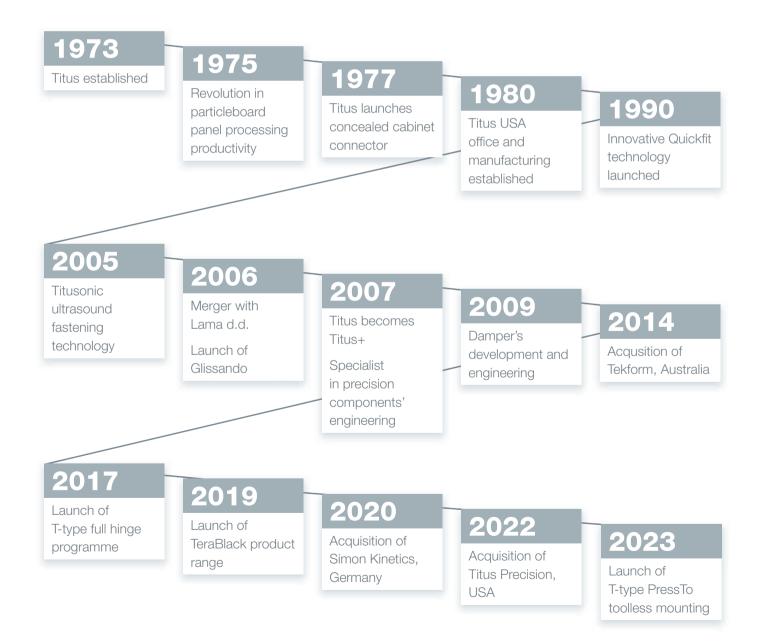
# The Titus Group Profile

### **Titus Group**

Titus focuses on the design, manufacturing and distribution of connectors, concealed hinges drawers and soft closing mechanisms in furniture and household appliances.

Titus Group is owned and managed from its headquarters in United Kingdom. We are able to provide products and services to every customer around the world based on manufacturing and distribution facilities in Europe, North America, China, SE Asia, Australia and New Zealand.

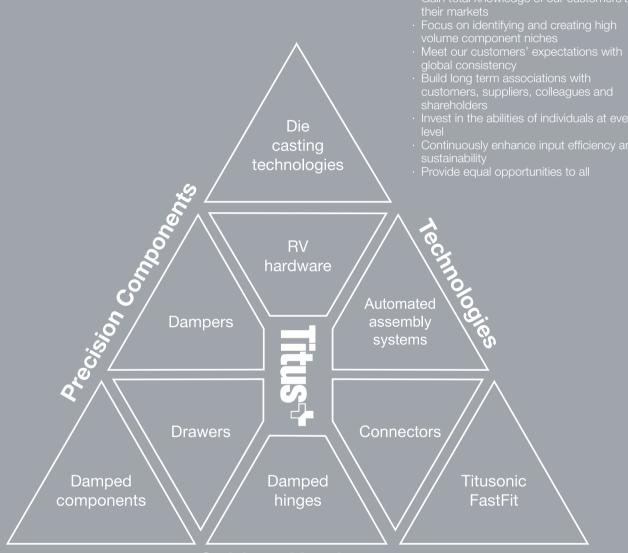
Quickfit technology makes Titus the World leader in connectors for RTA furniture



#### **Vision**

#### **Mission**

#### **Titus** Business **Principles**



**Cabinet Hardware** 

#### **Cabinet Hardware**

- Cabinet connectors
  Concealed hinges
  Damping mechanisms
  Kitchen drawers and accessories
  RV hardware

#### Damping and Kinetics

#### Titus Technologies

## 'Totally Integrated Engineering'

#### **Product Design**

Design and engineering of unique components Consistent and repeatable product quality

## Manufacturing Technologies

To improve productivity and product quality

## Manufacturing Operations

A wide array of technologies and services required for high volume production of precision components available in-house



#### Fittings for purpose

Unique product advantages for better value for money and lower 'total installed cost'

## Innovations that improve

With less parts, less different parts, less preparation actions, faster assembly

#### Fast time-to-market

### Quality

#### Continuous Improvement

The Titus Group Mission, to improve the competitiveness of our customers, encourages us to continuously improve our products, services, processes and competencies of our employees.

#### Quality

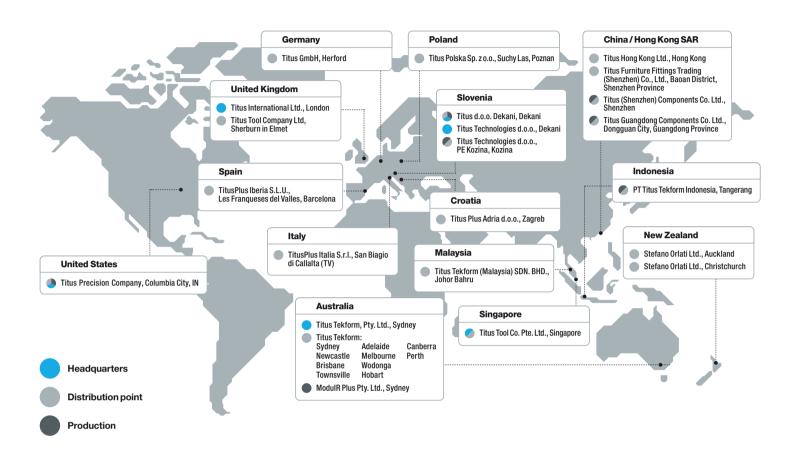
We believe that the Titus Mission is achieved most effectively through the management of our design, manufacturing and service activities in conformance with the ISO 9001 standard for quality management. Quality has a broad meaning for us: it is our guide to the selection of materials, work, processes, internal relations and cooperation with partners.

#### **Products**

Our integrated quality system produces technically optimized products of high quality. They are assessed regularly in our own test labs as well as by internationally renowned institutions, such as LGA from Germany, CTBA from France, FIRA from United Kingdom, CATAS from Italy, AIDIMA from Spain, and others.



## Worldwide Design, Manufacturing and Distribution Capabilities



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## Index

Item number	Page	Item number	Page	Item number	Page	Item number	Page
00021	1.19	02630	1.79	05610	1.41	06416	1.60
00022	1.19	02634	1.82	05611	1.41	06431	1.53
00033	1.83	02642	1.80	05751	1.39	06433	1.53
00180	1.10	02648	1.81	05752	1.39	06435	1.53
00435	1.57	02653	1.81	05753	1.39	06437	1.53
00436	1.57	02663	1.80	05757	1.39	06439	1.54
01029	1.46	02666	1.81	05772	1.39	06441	1.54
01373	1.82	02669	1.80	05774	1.39	06443	1.54
01709	1.12	02671	1.80	05775	1.39	06445	1.54
01732	1.12	02672	1.80	05778	1.39	06447	1.53
01822	1.72	02699	1.81	05857	1.39	06449	1.53
01823	1.72	02706	1.81	05858	1.39	06451	1.53
01825	1.72	02710	1.82	05859	1.39	06453	1.53
01828	1.72	02985	1.12	05860	1.40	06455	1.54
01829	1.72	03090	1.16	05917	1.67	06457	1.54
01837	1.72	03118	1.16	05929	1.39	06459	1.54
01838	1.72	03150	1.16	05960	1.67	06461	1.54
01843	1.72	03168	1.16	05971	1.67	06464	1.55
01852	1.72	03180	1.16	06073	1.13	06465	1.55
01910	1.74	03181	1.16	06308	1.83	06470	1.55
01911	1.74	05050	1.34	06309	1.83	06471	1.55
01912	1.73	05052	1.34	06310	1.83	06472	1.55
01916	1.74	05072	1.38	06343	1.57	06473	1.55
01924	1.71	05072	1.38	06348	1.57	06479	1.49
01927	1.71	05078	1.38	06381	1.56	06495	1.50
02075	1.13	05079	1.38	06383	1.56	06495	1.59
02077	1.13	05087	1.38	06385	1.56	06576	1.58
02107	1.20	05147	1.34	06387	1.56	06596	1.65
02110	1.77	05270	1.34	06395	1.54	06598	1.65
02111	1.77	05282	1.40	06397	1.54	06619	1.64
02120	1.20	05314	1.33	06401	1.50	06620	1.64
02130	1.20	05366	1.33	06401	1.59	06621	1.64
02133	1.77	05380	1.39	06402	1.50	06622	1.64
02139	1.20	05388	1.33	06402	1.59	06627	1.58
02141	1.20	05409	1.66	06403	1.50	06629	1.58
02144	1.20	05410	1.66	06403	1.59	06802	1.18
02154	1.76	05414	1.35	06405	1.50	06803	1.18
02161	1.19	05453	1.33	06405	1.59	06806	1.18
02190	1.19	05474	1.33	06406	1.50	06839	1.18
02193	1.19	05503	1.33	06406	1.59	06973	1.62
02523	1.82	05552	1.34	06408	1.49	06975	1.62
02525	1.81	05554	1.34	06410	1.49	06977	1.62
02549	1.79	05556	1.34	06411	1.49	06979	1.62
02559	1.79	05563 05574	1.34	06411	1.61	06981	1.63
02569	1.81	05575	1.45	06412	1.61	06985	1.63
02570	1.81	05576	1.45	06413	1.51	06987	1.63
02571	1.81	05578	1.45	06413	1.60	09330	1.43
02574	1.81	05579	1.45	06414	1.51	09332	1.42
02575	1.80	05580	1.45	06414	1.60	09333	1.43
02578	1.82	05592	1.39	06415	1.52	09334	1.43
02579	1.80	05608	1.41	06415	1.61	09335	1.42
02582	1.80	05609	1.41	06416	1.51	09336	1.42

## Index

Item number	Page
09337	1.43
09406	1.44
09423	1.36
09424	1.36
09430	1.37
09435	1.36
09443	1.36
09456	1.36
09491	1.44
09583	1.36
09588	1.36
09592	1.36
09594	1.36
09597	1.37
09631	1.44
09651	1.32
09652	1.32
09690	1.42
09692	1.42
09695	1.42
09699	1.42
275-4035	1.68
275-4058	1.68
277-4225	1.46
277-4355	1.46
279-9187	1.21
338-3686	1.73
338-3687	1.73
338-9721	1.73
353-3649	1.76
353-3650	1.76
360-1222	1.75
360-1230	1.75
408-3166	1.68
408-3391	1.68
408-3423	1.68
408-3424	1.68
820-6328-050	1.75