

Connectors

Connectors

Product Guide

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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
- security of packed parts during transit

CAF ■ **Quick & Easy**

Consumer Assembly Friendliness

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.

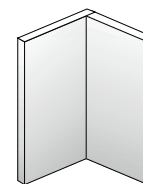
$$\begin{array}{l} \text{T} \text{ Total quantity} \\ \text{of parts} \end{array} + \begin{array}{l} \text{A} \text{ Actions} \\ \text{to assemble} \end{array} \times \begin{array}{l} \text{N} \text{ Number of} \\ \text{types of parts} \end{array}$$
$$(T+A)N = CAF$$

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



	T	A	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

System 1

Fittings for Rigid Assembly Systems

System Features

Double locking carcass screw

- Zinc diecast for precision
- Titus Double locking carcass 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

Hi-Lo™ carcass construction screw

The Hi-Lo™ carcass construction screw (CCS) offers a strong, tolerant and cost effective connection with minimal panel preparation.

The combination effect of the elements of a Hi-Lo™ screw means

- A greater differential between drive torque and strip torque in fibrous and particle materials to ensure a reliable and repeatable fixing
- Hi-Lo™ threads provide minimum bursting forces
- 'Hi' thread gives low bursting component force from the sharp 30 degree angle thread
- 'Lo' thread at 60 degree angle uses the vertical force component to press fibrous and particle components of panels onto the 'Hi' thread and are contained by their greater height
- The very small shank on a Hi-Lo™ screw means less material displacement than conventional threads and enables minimum or partial drilling of pilot holes for quicker panel processing

Barrel nut (plastic)

- Used with Titus Hi-Lo™ screws
- Titus barrel nuts provide maximum strip torque for reasonable drive torque
- Capable of multiple reconnection repeatability

Cover caps

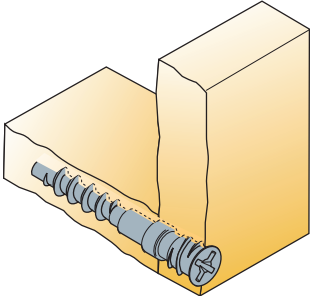

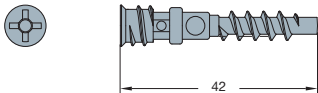
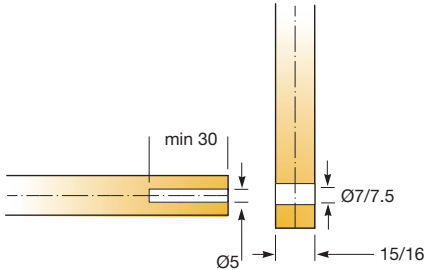
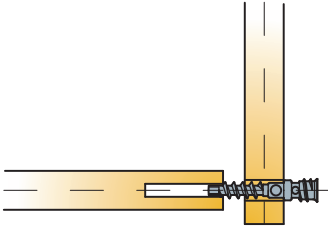
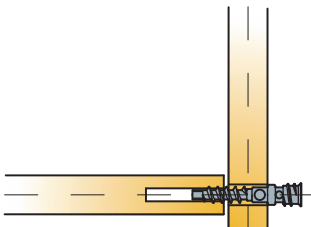
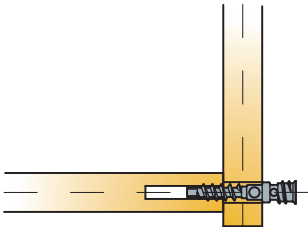
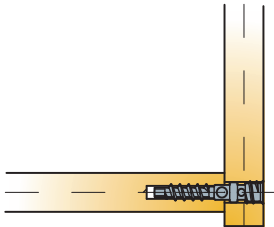

- Available in multiple colours
- All recess and head types offered
- High quality engineering polymers used in their construction
- Uniformity of holding with good tolerance
- Wide range of application and use conditions

System 1

Fittings for Rigid Assembly Systems

Double Locking Carcase Screw

- 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

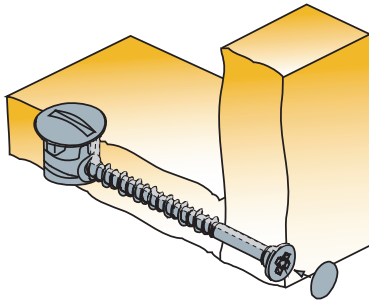
Technical and mounting details		Item number	Zinc
<div>  </div>			
<div> <div> <div>Screw 6x42</div>  </div> <div>  </div> <div>  </div> <div>  <div>1. Insert screw to shoulder in face board</div> </div> <div>  <div>2. Screw into Ø5mm hole</div> </div> <div>  <div>3. Board joint pulled up by collar on screw</div> </div> <div>  <div>4. Board locked in place by screw</div> </div> </div>		00180 →	885
<div>  1000 Pcs Made of zinc </div>			

System 1

Fittings for Rigid Assembly Systems

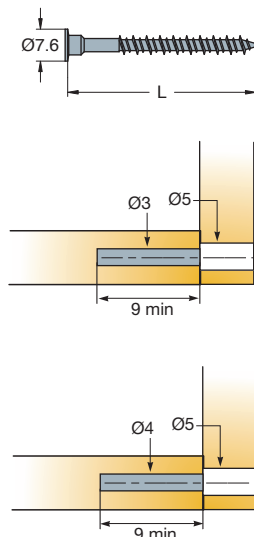
Hi-Lo™ Screw and Barrel Nut

- Hi-Lo™ screws have a twin thread for faster insertion
- 'Hi' threads and 'Lo' threads combine to give excellent pull out in chipboard
- Funnel head design means no countersinking
- Steel is case hardened for extra strength



Technical and mounting details

Hi-Lo™ screw

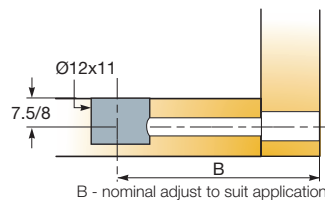


- 10000 Pcs (00062)
- 9000 Pcs (00068)
- 7000 Pcs (00071)
- 4000 Pcs (00077, 00171, 06074)
- 3000 Pcs (00172, 06077, 06080)

Made of steel

Screw diameter	B	L	Drive type	Item number	Black	Phosphate	White
4		24		*00062 →		852	
4		28		*00068 →		852	
4		33		00071 →		852	
4	32	45		00177 →		852	
4	32	45		*00171 →		852	
4	32	55		00072 →		852	
4		38		06074 →		852	
4	32	50		*06077 →		852	
5	32	50		*06080 →		852	
Drive type				*American market only			
hexagonal drive				cross slot			

Barrel nut

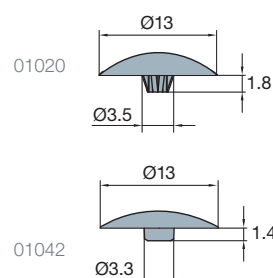


- 10000 Pcs

Made of plastic

				01056 →	835		877
Other colours on request							

Screw cap



- 10000 Pcs (01042)
- 5000 Pcs (01020)


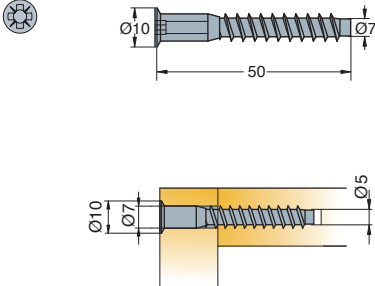

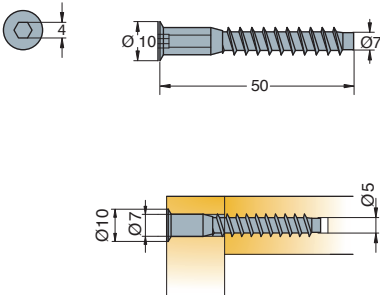

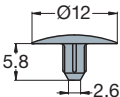
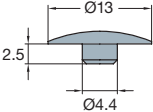
Made of plastic

pozi, philips drive		01020 →	835		877
hexagonal drive		01042 →	835		877
Other colours on request					

System 1

Connecting Screws

- Screws with crosshead PZ2 screwdriver or allen key slot
- Decorative cover caps are available in different colours

Technical and mounting details		Item number	Zinc plated	Ochre	White
<div>Crosshead screwdriver slot</div> 		827-6202 →	040		
<div>1000 Pcs</div>	Made of steel				
<div>Allen-key slot</div> 		827-6201 →	040		
<div>1000 Pcs</div>	Made of steel				
<div>Cover caps for connecting screws</div> 	<div> <div>827-4013</div>  <div>827-4130</div>  </div>	Universal		330	350
		For allen key slot head		330	350
<div>1000 Pcs (827-4130)</div> <div>2000 Pcs (827-4013)</div>	Made of plastic				

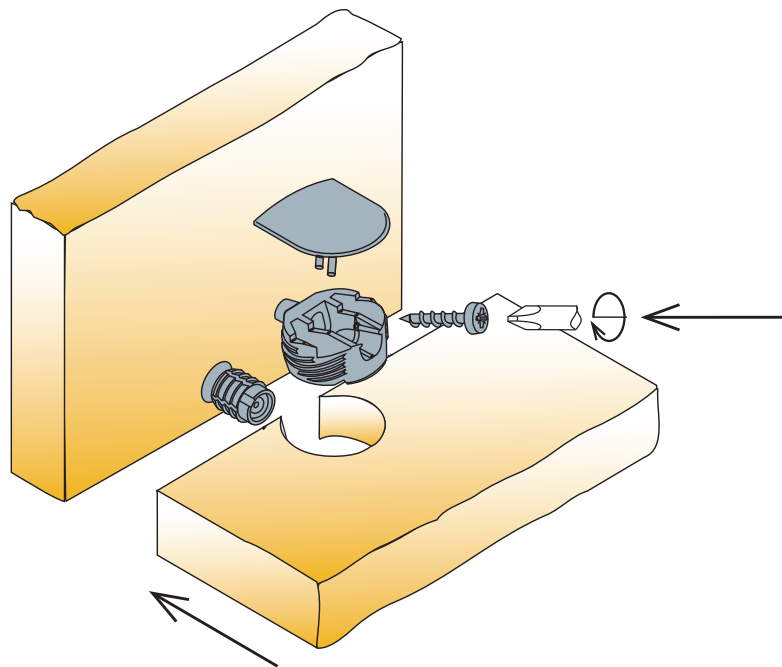
System 2

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

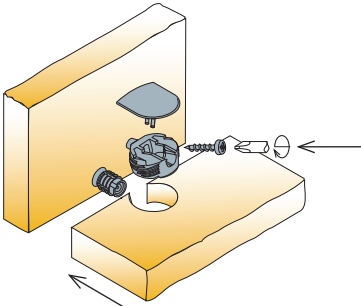
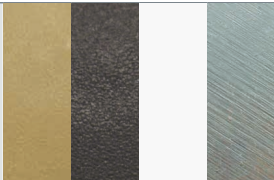

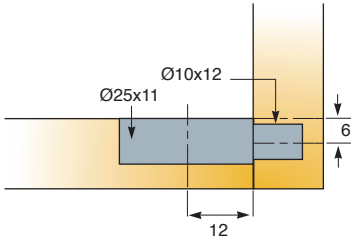


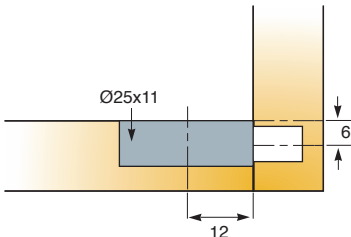








System 2

Fittings for Face-boring Applications

Concealed Fittings

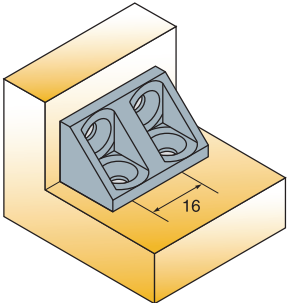


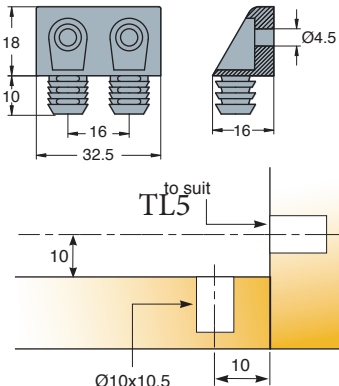


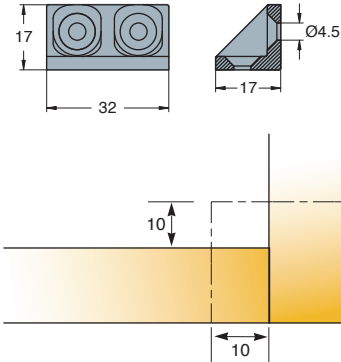


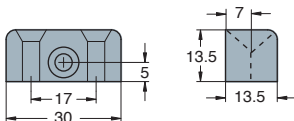

- Combination of hi-thread screw and nylon insert allows a high clamping force improving cabinet rigidity
- Unlimited stacking height due to flush housing
- Provides a strong, secure fitting which eliminates the need for edge boring
- +/-1mm tolerance absorbs drilling inaccuracies improving consumer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

						
Technical and mounting details		Item number	Brown beige	Black	White	Zinc plated
Housing assembly    2500 Pcs Made of plastic, steel		02046 →		835	877	
Housing (no nose)    2500 Pcs Made of plastic		*02985 →			877	
		*European market only				
Screw panhead No 8 x 17.6   15000 Pcs Made of steel		01709 →				883
Cover cap   7000 Pcs Made of plastic		01732 →	806		877	
		Other colours on request				
 Inserts Made of plastic		→ see page 1.64				

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

						
Technical and mounting details		Item number	Dark brown	Light brown	Ivory	White
<p>Rail fastener</p>  		02075 →	831	867		877
 2000 Pcs						
Made of plastic						
<p>Housing (no nose)</p>  		02077 →			875	877
 2000 Pcs						
Made of plastic						
<p>Modesty block</p>  		*06073 →		867		877
 1500 Pcs						
Made of plastic		*European market only				

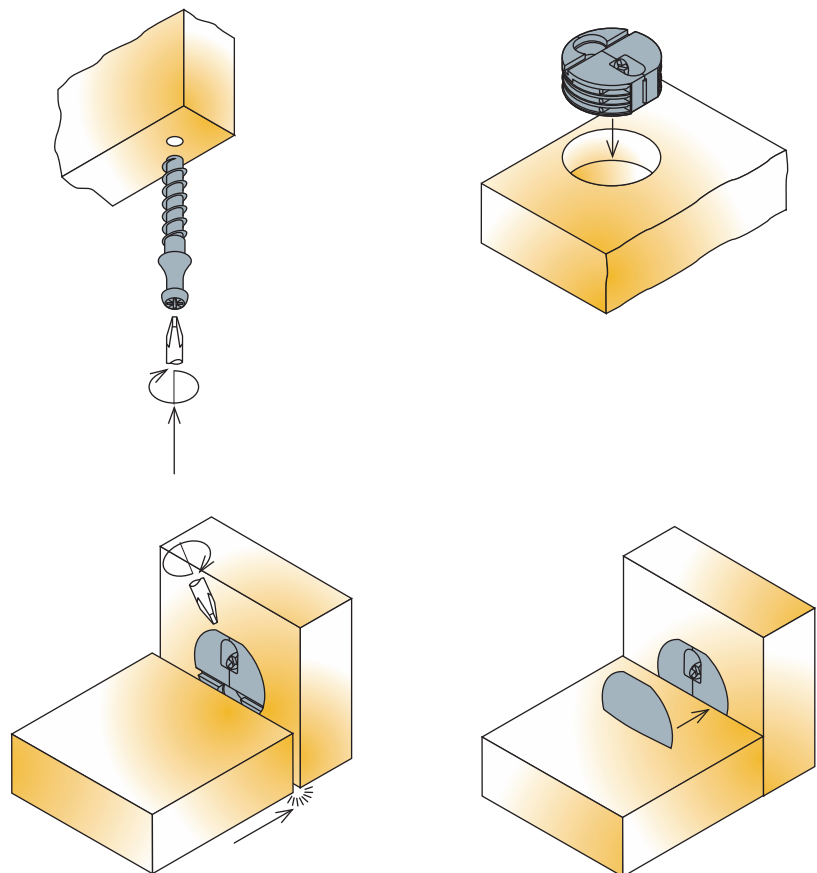
System 3

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

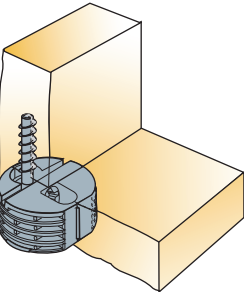
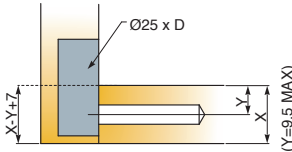


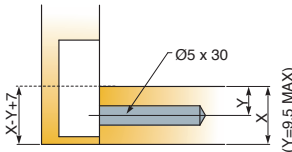


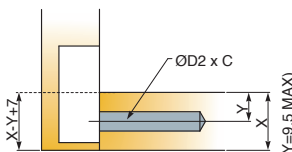





System 3

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

Technical and mounting details		C	D	D2				
		Drilling length for dowel	Drilling depth	Drilling diameter for dowel thread	Item number	Black	Zinc plated	Yellow passivate
	 X, Y - depends on board thickness		12.5		03118 →	835		877
			11		03121 →	835		
		Other colours on request						
 2500 Pcs Made of plastic or zinc, plastic								
Screw dowel Ø5					03168 →		883	
  X, Y - depends on board thickness								
 1000 Pcs Made of steel								
Screw dowel Ø3		30		3.75	03181 →			881
  X, Y - depends on board thickness		9		3	03180 →			881
 5000 Pcs (03180) 4000 Pcs (03181) 1000 Pcs (03190) Made of steel		25		3	*03090 →		883	
		*American market only						
Cover cap					03150 →	835		877
  15000 Pcs Made of plastic								

System 4

Fittings for Face-boring Only

System Features

Cost effective one piece fittings with face boring benefits

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

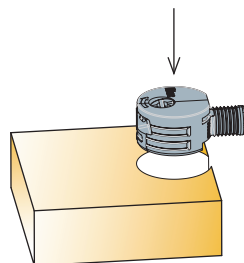
Quickloc™ One-piece connector

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

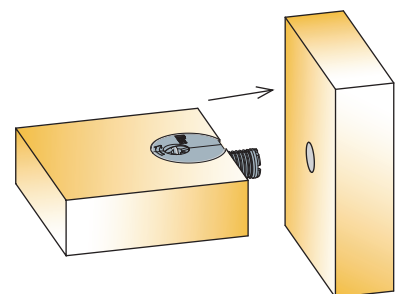
- High degree of drilling tolerance
- Push-in design
- Tool-free insertion
- Integrated expanding housing and dowel provide consistently stronger joints
- 'Klix' locking system

Quickloc™ Assembly

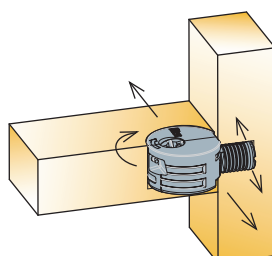
1. Press Quickloc into the face board



2. Assemble the panels



3. Tighten in less than one turn


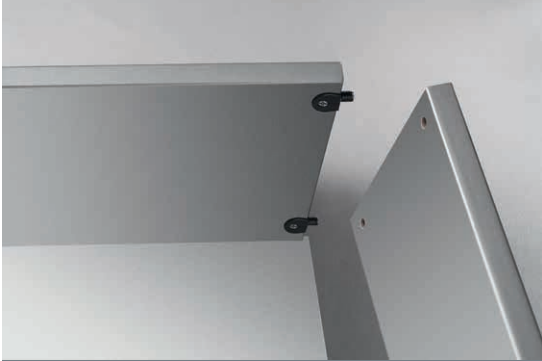

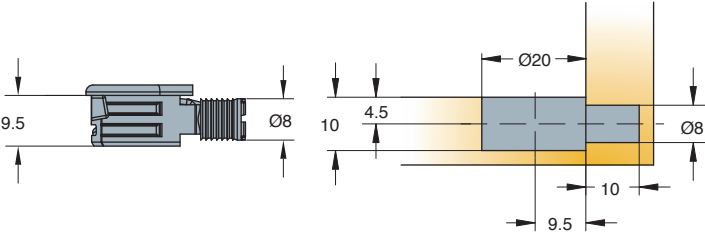


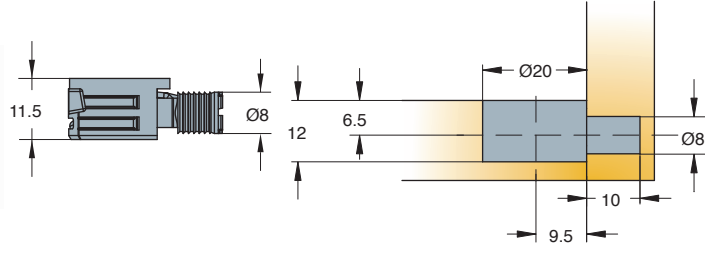


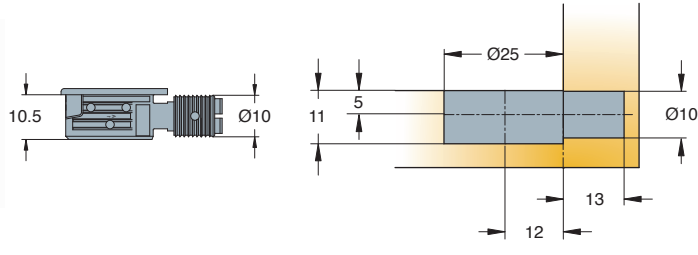


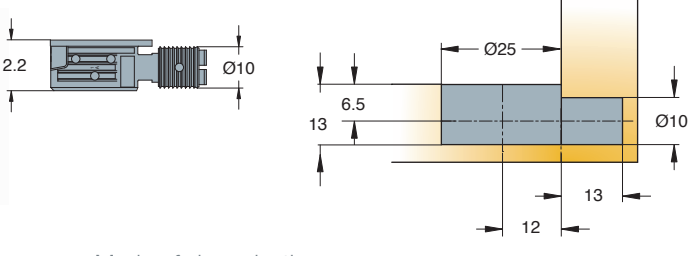



System 4

Quickloc™

One Piece Expanding Connector

- An innovative, one-piece connector, capable of hand insertion
- Is highly tolerant and tightens in less than one turn
- Is a 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

				
Technical and mounting details		Dark brown	Black	White
Item number				
				
Quickloc Ø20 flanged  		06803 →	831 835 877	
 2500 Pcs Made of zinc, plastic				
Quickloc Ø20 flush  		06806 →	831 835 877	
 2500 Pcs Made of zinc, plastic				
Quickloc Ø25 flanged  		06813 →	831 835 877	
 1500 Pcs Made of zinc, plastic				
Quickloc Ø25 flush  		06839 →	831 835 877	
 1500 Pcs Made of zinc, plastic				



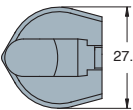
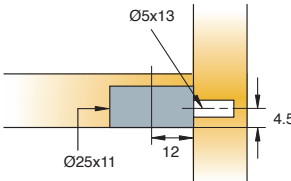


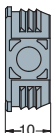
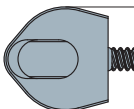
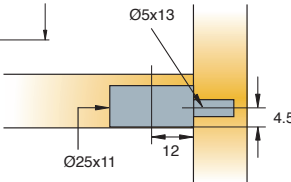



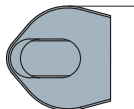
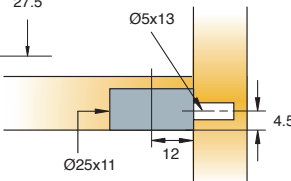


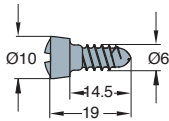
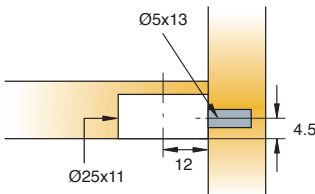

System 4

Fittings for

Face-boring Only

Flushbloc™ / Flushfix™

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

Technical and mounting details		Item number	Brown beige	Black	Silver	White	Zinc
Flushfix™    		02161 →	806		861	877	
 2500 Pcs		Other colours on request					
Flushbloc™ with screw    		02193 →		835		877	
 2000 Pcs		Other colours on request					
Flushbloc™ assembly    		*02190 →		835		877	
 2500 Pcs		* American market only Other colours on request					
Angeldriv screw for use with Flushfix™   		round head 00021 →					885
		flat head 00022 →					885
 2000 Pcs (00021) 4000 Pcs (00022)		Made of zinc					

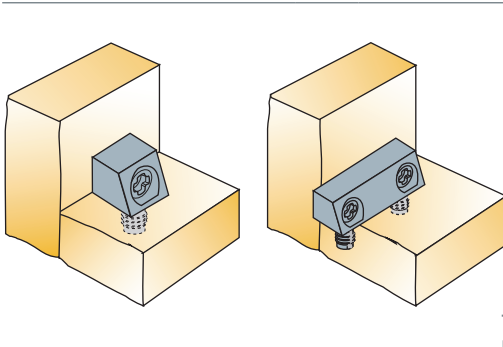


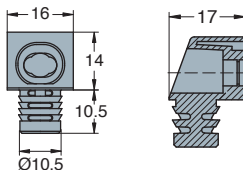
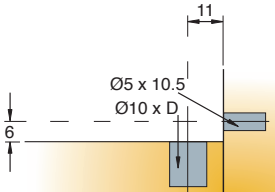


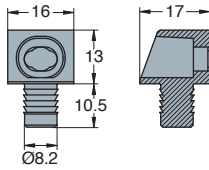
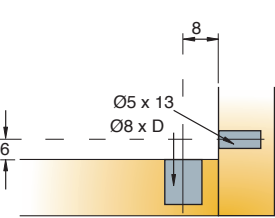


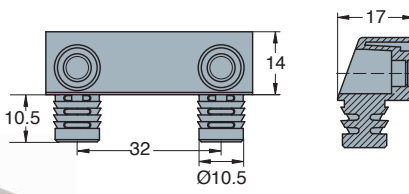
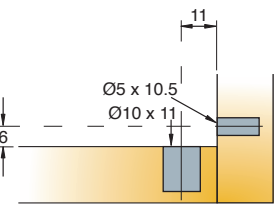

System 4

Fittings for

Face-boring Only

Minibloc™ / Twinbloc™

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

<div></div> <div>Technical and mounting details</div>		D	<div></div>				
		Drilling depth	Item number	Dark brown	Black	Silver	White
Minibloc Ø10	<div></div> <div></div> <div></div>	11	02107 →	831	835	861	877
		11	* 02120 →	831	835	861	877
		* assembly with screw Other colours on request					
<div> 2500 Pcs (02107) 3000 Pcs (02120)</div> <div>Made of zinc, plastic</div>							
Minibloc Ø8	<div></div> <div></div> <div></div>	11	02141 →		835	861	877
		11	* 02144 →		835		877
		* assembly with screw *European market only Other colours on request					
<div> 3000 Pcs</div> <div>Made of zinc, plastic</div>							
Twinbloc Ø10	<div></div> <div></div> <div></div>	11	02130 →		835	861	877
		11	* 02139 →		835		877
		* assembly with screw Other colours on request					
<div> 1000 Pcs</div> <div>Made of zinc, plastic</div>							

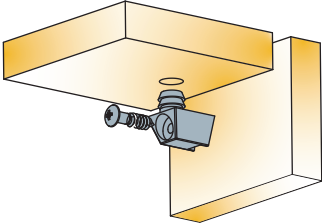
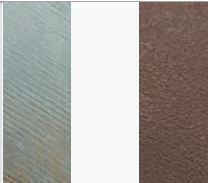

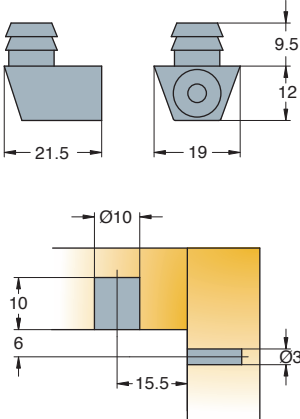

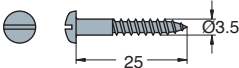

Angledriv screw → see page 1.19

System 4

Fittings for

Face-boring Only

Knock-down Fittings

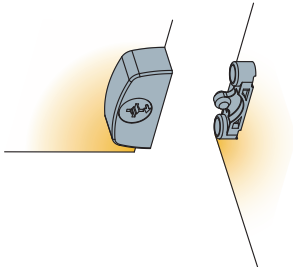



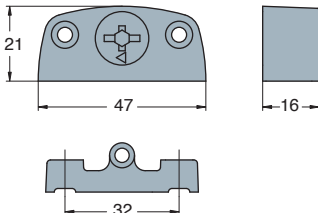
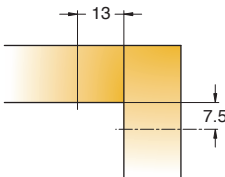



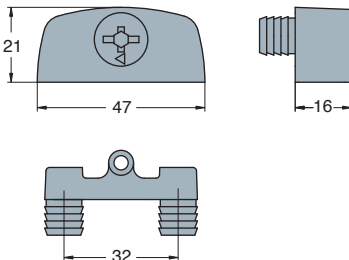
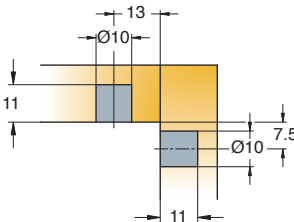

				
Technical and mounting details		Item number	Zinc plated	White
Fitting		278-4129 →		Brown
 				
 5000 Pcs Made of plastic				
Screw		825-7561 →	040	
				
 5000 Pcs Made of steel				

System 4

Fittings for Face-boring Only

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

					
Technical and mounting details		Item number	Zinc plated + white housing	Zinc plated + brown housing	Zinc plated + black housing
Screw-on		279-9187 →	960	970	980
   					
 1000 Pcs Made of plastic, zinc cam					
Knock-in		279-9465 →	960	970	980
   					
 500 Pcs Made of plastic, zinc cam					

System 5

Cams and Dowels

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

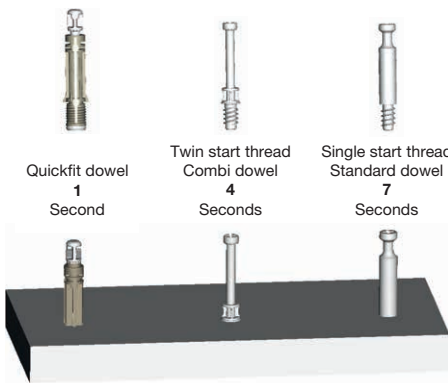
- **Quickfit dowels**
quick hand insertion, easy assembly
- **Diecast dowels (zinc)**
precise manufacturing, optimal shape and design
- **Turned dowels (steel)**
'traditional' design, smooth surface, best strength performance
- **Combi dowels (zinc and steel)**
high precision of zinc, strength of steel, 100% dimensional accuracy and optimal performance

Titus 'Klix'™

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

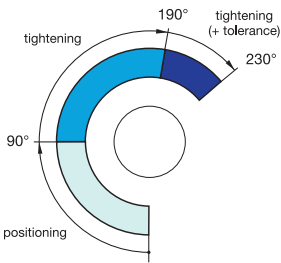
- vibration-proof joint
- rigid construction that will not loosen in service or transit

Dowel insertion time comparison



2 o'clock lock Smooth closing

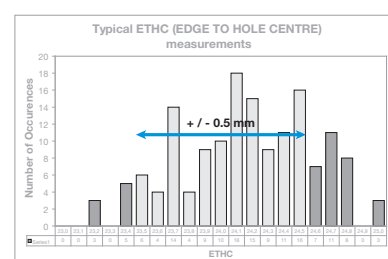
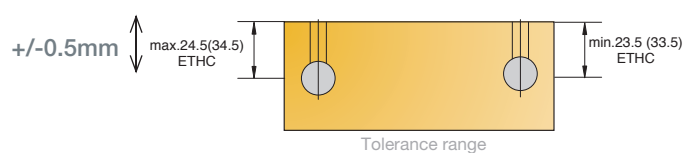
Linear cam profile assures smooth, firm tightening action and greater pull-up. The cam always locks at 2 o'clock lock (230°), enabling greater consumer confidence in use while improving furniture quality.



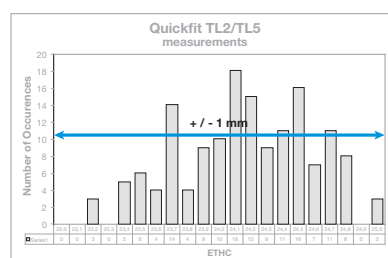
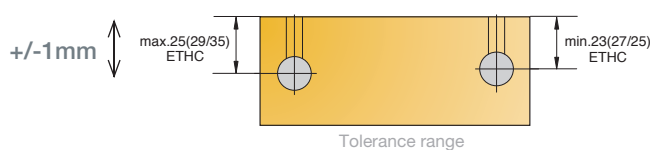
Drilling tolerances

Optimal performance and perfect joint even with inaccurate drillings.

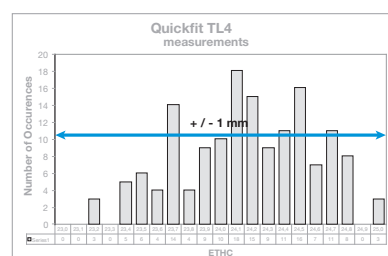
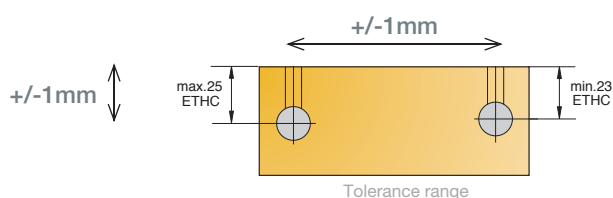
Zinc/Combi dowel



Quickfit TL5 dowel, Quickfit TL2 dowel



Quickfit TL4 dowel

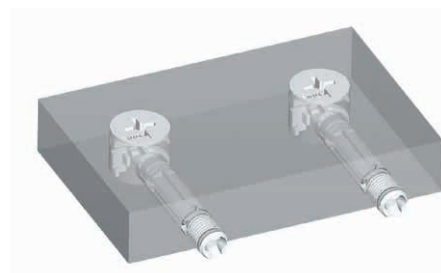


ETHC=Edge To Hole Center

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



System 5

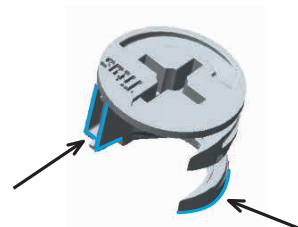
Cams and Dowels

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:

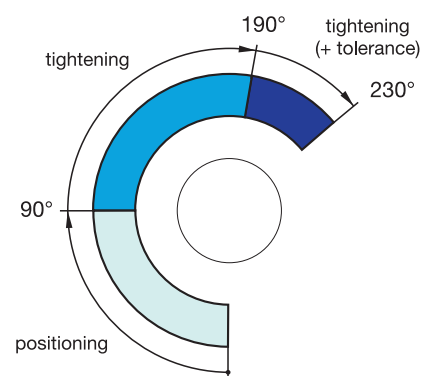
- The cam is held in position prior to assembly
- Secure cam positioning during transport and handling
- Accurate factory insertion



2 o'clock lock

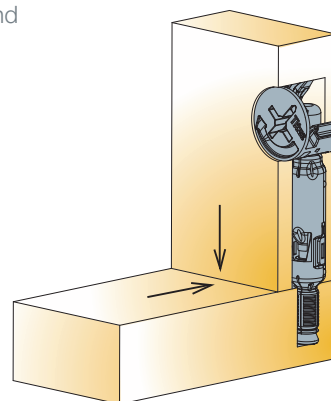
Smooth and noticeable locking at the 2 o'clock position guarantees:

- 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



System 5

Cams and Dowels

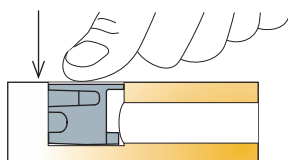
Quickfit Connectors

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.

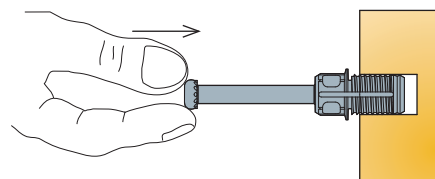
The Quickfit™ range of dowels has been extended to provide a complete family of fittings available in diameters of 5mm, 8mm and 10mm and lengths of 24mm and 34mm. These dowels are compatible with the range of Titus Ø15mm cams.

Assembly

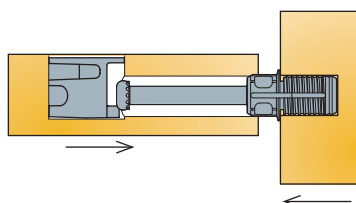
1. Press the cam into face board



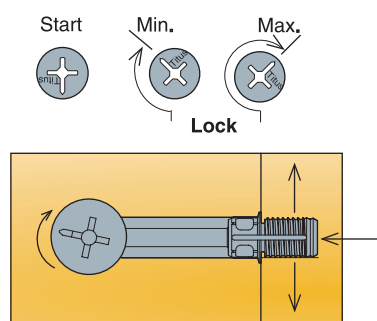
2. Insert the dowel into side panel



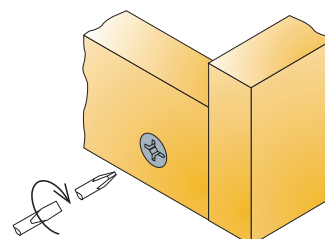
3. Assemble the panels



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.

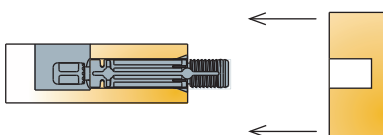
Quickfit-TL™ provides a tolerance of $\pm 1/-1$ mm on drilling operation while ensuring that the final result is a perfectly precise and aligned joint. No other assembly fittings system can offer such tolerances and still maintain a perfect joint.

Assembly

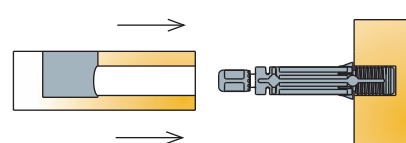
1. Press the cam into face board



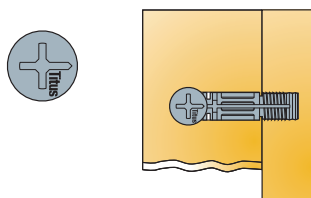
2a. Either push dowel into edge hole or...



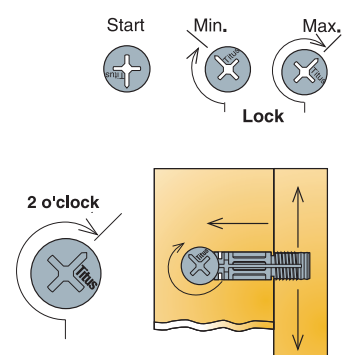
2b. Insert the dowel into side panel



3. Assemble the panels



4. Tighten cam to lock dowel



System 5

Cams and Dowels

Quickfit TL5 'Full Metal Jacket'

Effective performance in multiple wooden materials

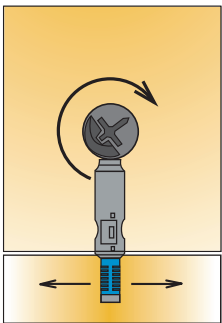
Smooth and noticeable locking at the 2 o'clock position guarantees:

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



Strong and reliable joint

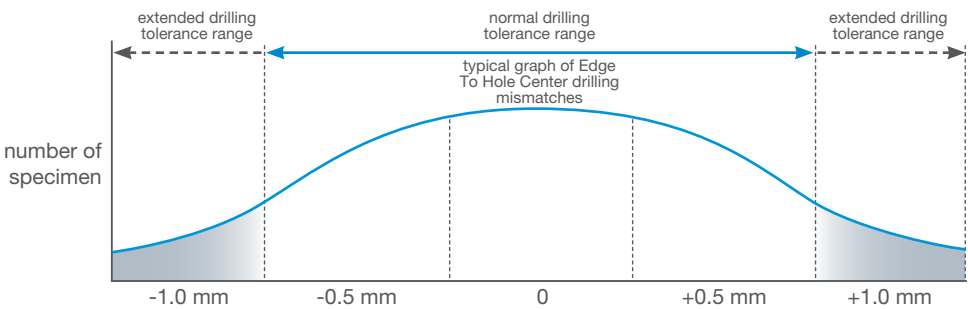
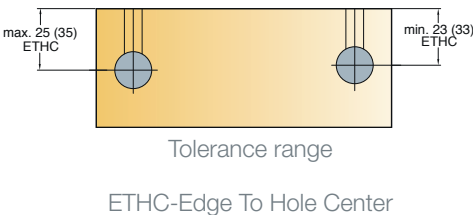
Expanding steel sleeve assures high resistance to torsion and pull-out.



High drilling tolerances

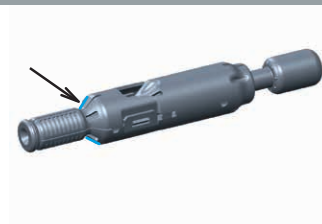
An extended dowel head design works as a positive stop against the cam and provides an ETHC tolerance of min. ± 1 mm

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



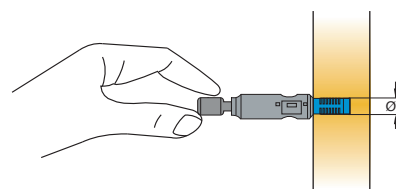
Shape of dowel sleeve

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



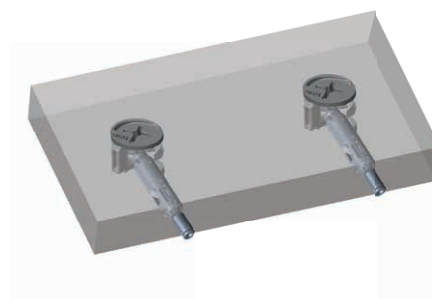
Tool-free insertion for Ø5mm dowel holes

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.

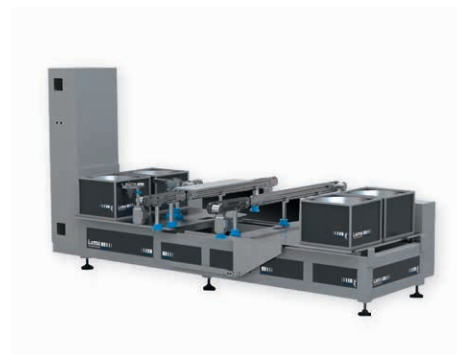


50% less time to assemble the cabinet at home

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.

CAF Quick & Easy

Consumer Assembly Friendliness

System 5

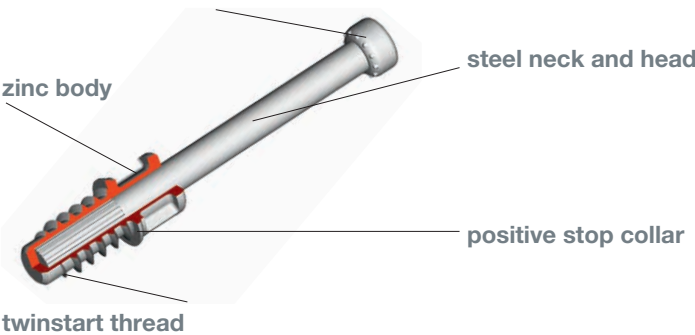
Cams and Dowels

Zinc+steel Combi Dowels

**Zinc+steel
technology for
optimal strength
and performance**

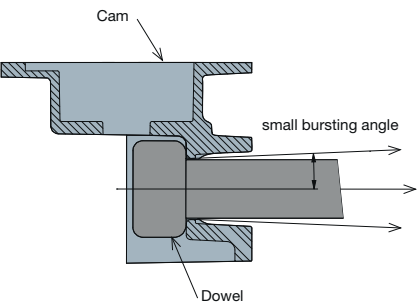
The Combi dowel combines steel and a small amount of zinc to ensure high precision and dimensional accuracy, essential to provide furniture manufacturers with the broadest possible range of drilling tolerances.

toroidal head form

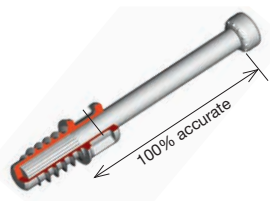


The steel neck and head provide better resistance to torsion and pull-out enabling a high performance joint

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.



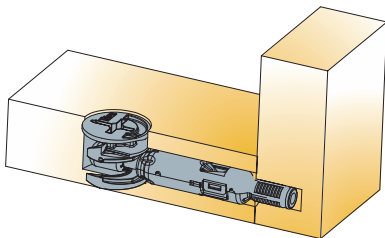
**100% dimensional accuracy
assured**

System 5

Quickfit TL5

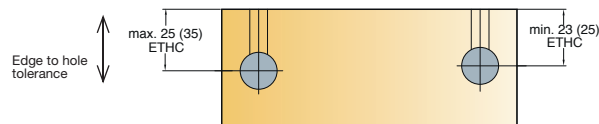
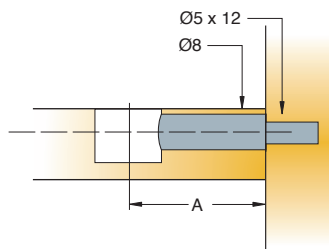
'Full Metal Jacket'

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




Technical details

Quickfit TL5 dowel



Tolerance range

A	Drilling distance	Item number	
			Zinc corrosion
34	09652 →	897	
24	09651 →	897	



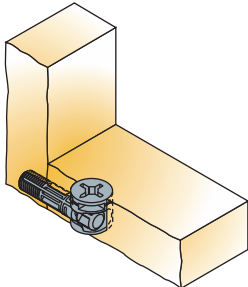
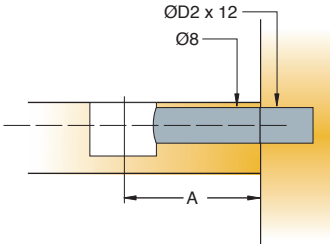


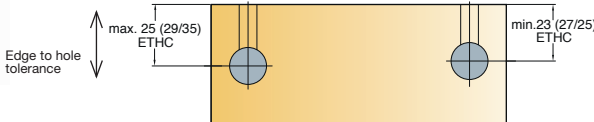

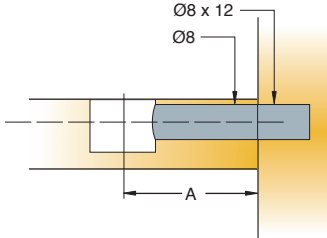

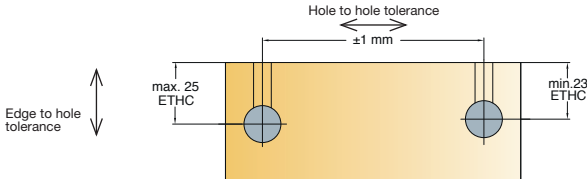

 To be used with Cam5000 only

System 5

Cams and Dowels

Quickfit TL Dowels

- Available in Ø5mm and Ø8mm for panel-to-panel applications
- Suitable for use with all Ø15mm Cam2000, Cam3000 and Cam5000 products
- ‘Klix’ locking feature provides a strong, vibration proof joint
- Highly tolerant in edge-inserted, TL4 also in face-inserted applications

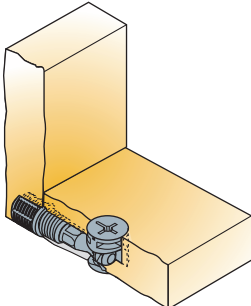
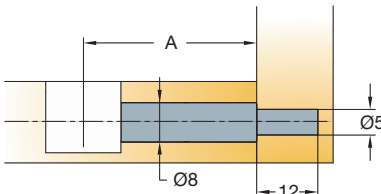



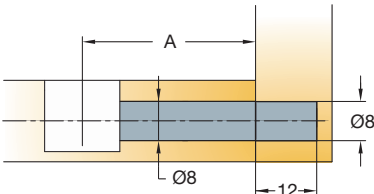



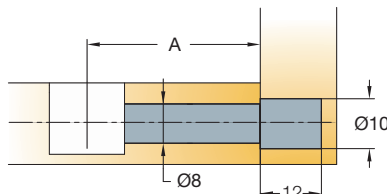


		Technical and mounting details		A	D2			
Quickfit TL2				Drilling distance	Drilling diameter for dowel thread	Item number	Black	Dark grey
 D2=Ø5mm				24	5	05453 →		880
 D2=Ø8mm				34	5	05503 →		880
				24	8	05441 →		880
				28	8	05314 →		880
				34	8	05474 →		880
								
		Tolerance range						
 2000 Pcs 1000 Pcs (05474) Made of zinc, plastic								
Quickfit TL4				24	8	05388 →	835	
								
								
		Tolerance range						
 2000 Pcs Made of zinc, plastic								

System 5

Cams and Dowels

Quickfit Dowels

- Available in Ø5mm, Ø8mm and Ø10mm for panel-to-panel applications
- Suitable for use with all Ø15mm Cam2000, Cam3000 and Cam5000 products
- 'Klix' locking feature provides a strong, vibration proof joint
- Depth stop collar for accurate insertion

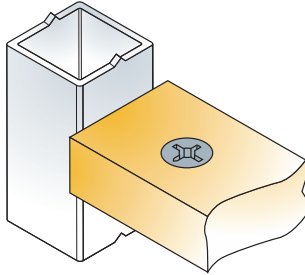
Technical and mounting details		A		
		Drilling distance	Item number	Dark grey
		24	05714 →	880
				
 2000 Pcs		Made of zinc, plastic		
		20	05556 →	880
		24	05563 →	880
		28	05552 →	880
		34	05554 →	880
 1000 Pcs (05556,05552)  2000 Pcs (05563, 05554)		Made of zinc, plastic		
		24	05137 →	880
		24	*05570 →	880
		34	05129 →	880
 1500 Pcs (05129)  2000 Pcs (05570)	Made of zinc, plastic			

System 5

Cams and Dowels

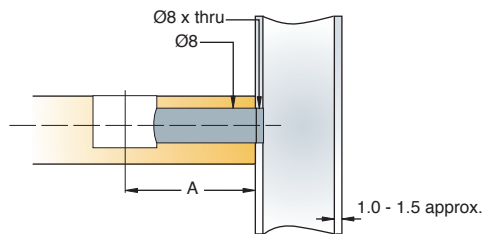
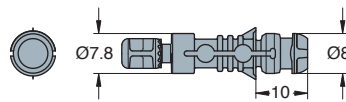
Quickfit P2F Dowels

- The only product to enable standard panel drilling and connection of panel and hollow profile
- Available in Ø8mm for panel-to-hollow profile applications
- Suitable for use with all Ø15mm Cam2000, Cam3000 and Cam5000 products
- 'Klix' locking feature provides a strong, vibration proof joint



Technical and mounting details

Quickfit P2F



A

Drilling distance

Item number

Black

24

05414 →

835




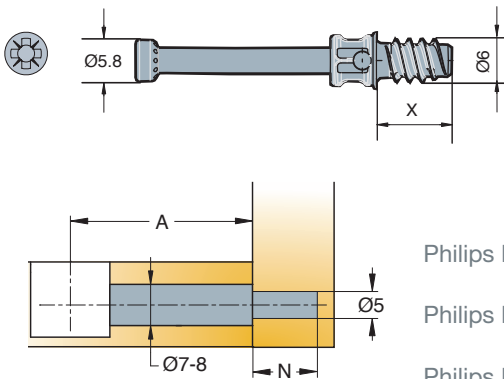



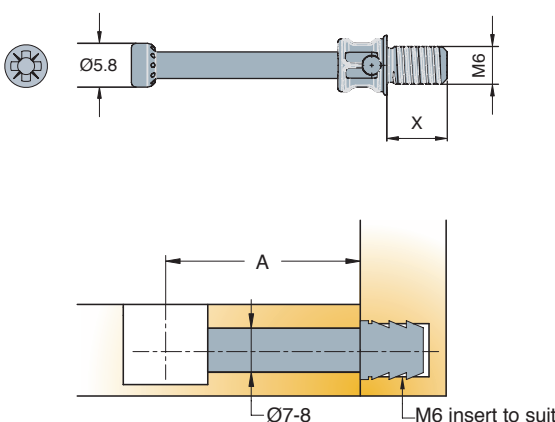



Made of zinc, plastic

System 5

Cams and Dowels

Combi Dowel


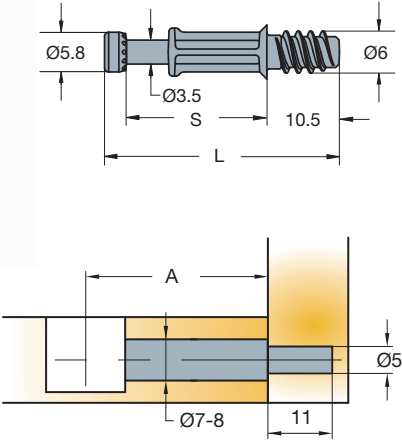


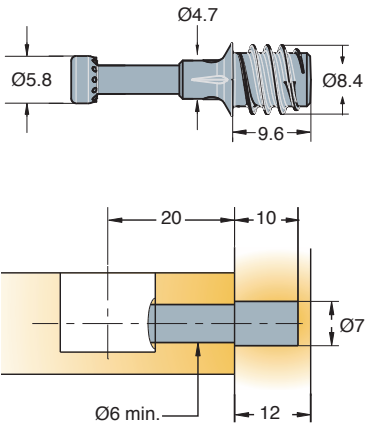


- High quality zinc-steel dowel with greater resistance to torsion and pull-out
- Suitable for use with all Ø12mm and Ø15mm Cam2000, Cam3000 and Cam5000 products
- 'Klix' locking feature provides a strong, vibration proof joint
- Twinstart thread for faster and reliable insertion

		A	N	X		
Technical and mounting details		Drilling distance	Drilling depth	Thread length	Item number	Zinc
<div>Combi dowel Ø5</div> 		34	12	11	09435 →	885
		28	10	9.5	09588 →	885
		24	12	11	09443 →	885
		24	9	8.5	09583 →	885
	Philips PH2 head	34	12	11	*09424 →	885
	Philips PH2 head	24	12	11	*09423 →	885
	Philips PH2 head	34	9	8.5	*09456 →	885
<div> 1000 Pcs</div> <div> *2000 Pcs</div> <div>Made of steel and zinc</div>						
<div>Combi dowel M6</div> 		34		8	09592 →	885
		34		10.5	09594 →	885
<div> 1000 Pcs</div> <div>Made of steel and zinc</div>						
<div> Inserts Made of zinc</div> <div>→ see page 1.63</div>		<div> Inserts Made of plastic</div> <div>→ see page 1.64</div>				

System 5

Cams and Dowels

Combi Dowel

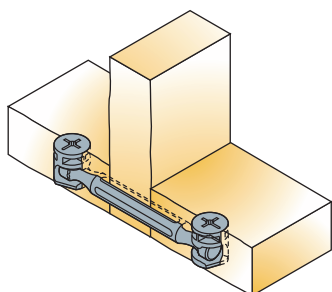
					S	L	A		
Technical and mounting details							Drilling distance	Item number	Zinc
Combi dowel Ø5 Full body					PZ2 head	20.6	34.5	24	09597 → 885
 									
 2000 Pcs					Made of steel and zinc				
Combi dowel Ø7					Philips PH2 head			20	09430 → 885
 									
 1000 Pcs					Made of steel and zinc				
 Inserts Made of plastic					→ see page 1.64				

System 5

Cams and Dowels

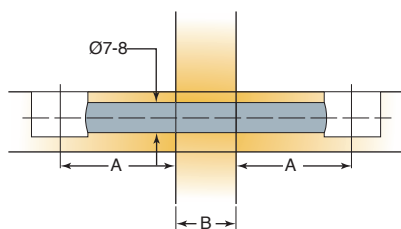
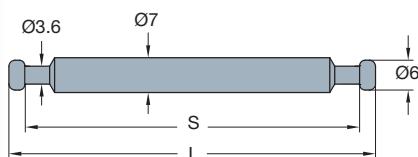
Double-ended Dowel

- Available in Ø7mm
- Suitable for use with all Ø12mm and Ø15mm Cam2000, Cam3000 and Cam5000 products
- No circlip for increased tolerance
- Available in a variety of lengths to suit most panel-to-panel applications



Technical and mounting details

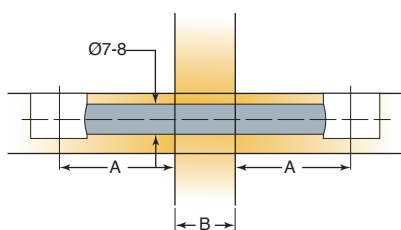
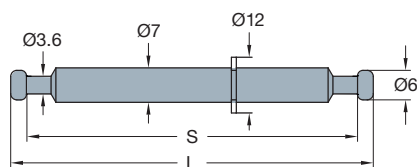
Dowel without circlip



250 Pcs (05753)
500 Pcs
1000 Pcs (05929,05857)

Made of steel

Dowel with circlip



250 Pcs
500 Pcs (05775, 05774)

Made of steel

S	L	A	B	Item number	Zinc plated
		Drilling distance	Panel thickness		
41	47.4	24	0*	05929 →	883
61	67.4	34	0*	05757 →	883
77	83.4	34	16	05858 →	883
79	85.4	34	18	05859 →	883
80	86.4	34	19	05753 →	883
56	62.4	24	15	05592 →	883
57	63.4	24	16	05857 →	883
59	65.4	24	18	05380 →	883
60	66.4	24	19	05778 →	883
*B=0 → no panel required					
77	83.4	34	16	05752 →	883
79	85.4	34	18	05772 →	883
80	86.4	34	19	05751 →	883
57	63.4	24	16	05775 →	883
60	66.4	24	19	05774 →	883

System 5

Cams and Dowels

Angled Dowels

- Suitable for applications requiring angled joints
- Suitable for use with all Ø12mm and Ø15mm Cam2000, Cam3000 and Cam5000 products
- Adjustable angle from 90° to 180°

Technical and mounting details

Item number

Zinc plated

Angled dowel

05860 →

883

Distance x in mm

α	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	67,5°	70°	75°	80°	85°
13	61.9	57.9	55.3	53.5	51.7	50.5	49.5	48.6	47.8	47	46.7	46.4	45.7	45.1	44.6
15	64.6	60.1	57	54.7	52.9	51.5	50.3	49.3	48.3	47.5	47.1	46.7	46	45.3	44.7
16	66	61.2	57.9	55.4	53.5	52	50.7	49.6	48.6	47.7	47.3	46.9	46.1	45.4	44.7
B 18	68.8	63.3	59.6	56.9	54.7	53	51.6	50.3	49.2	48.2	47.7	47.3	46.4	45.6	44.8
19	70.1	64.4	60.5	57.6	55.3	53.5	52	50.7	49.5	48.4	47.9	47.5	46.5	45.7	44.8
22	74.2	67.6	63.1	59.7	57.1	55	53.2	51.7	50.4	49.1	48.6	48	46.9	45.9	45
23	75.6	68.7	63.9	60.4	57.7	55.5	53.6	52.1	50.6	49.4	48.8	48.2	47.1	46	45 x

250 Pcs

Made of steel

 250 Pcs


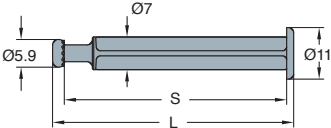
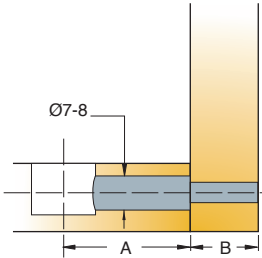

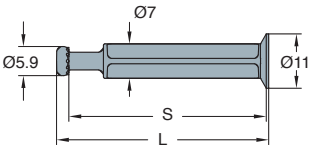
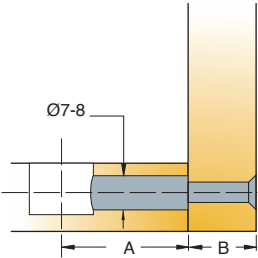
Made of steel

System 5

Cams and Dowels

End Dowels

- Available in a variety of head and length combinations to suit most end panel applications
- Suitable for use with all Ø12mm and Ø15mm Cam2000, Cam3000 and Cam5000 products
- 'Klix' locking feature provides a strong, vibration proof joint
- Both 'mushroom' and countersunk headed versions available

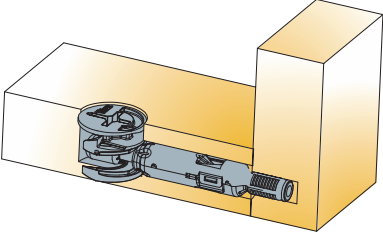

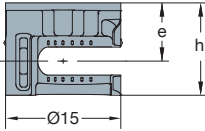
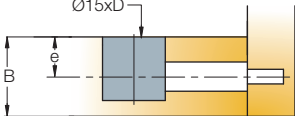



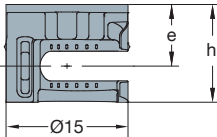
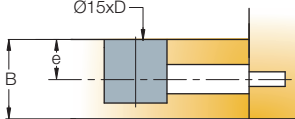


						Zinc
		A	B	S	L	
Technical and mounting details		Drilling distance	Panel thickness	Length	Total length	Item number
<div>Mushroom dowel</div>  <div>   </div> <div> <div> <div>500 Pcs (05610, 05611)</div> <div>1000 Pcs (05608, 05609)</div> </div> <div>Made of zinc</div> </div>		24	16	36.5	40.5	05608 → 885
		24	19	39.5	43.5	05609 → 885
		34	16	46.5	50.5	05610 → 885
		34	19	49.5	53.5	05611 → 885
<div>Countersunk dowel</div>  <div>   </div> <div> <div>1000 Pcs</div> <div>Made of zinc</div> </div>		24	16	36	39	05786 → 885
		24	19	39	42	05787 → 885

System 5

Cams and Dowels

Ø15mm Cam5000

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

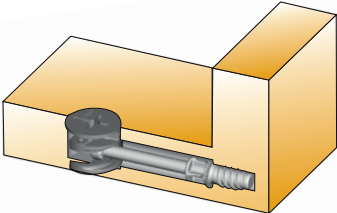


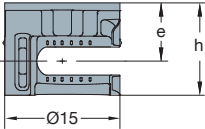
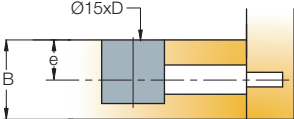




<div>  <div>Technical and mounting details</div> </div>		B	D	e	h	Item number	Zinc
		Panel thickness	Drilling depth	Drilling for dowel	Cam height		
<div> <div>Cam5000 cross drive</div> <div>    </div> </div> <div> <div>PZ2 drive</div> <div></div> </div>		12/13	10.5	6 min	9.9	09695 →	885
		15/16	12.5	7.5-8	11.9	09690 →	885
<div>  1000 Pcs <div>Made of zinc</div> </div>							
<div> <div>Cam5000 hexagonal drive</div> <div>    </div> </div> <div> <div>combined drive with HEX</div> <div></div> </div>		15/16	12.5	7.5-8	11.9	09699 →	885
		18/19	14	9-9.5	13.2	09692 →	885
<div>  1000 Pcs <div>Made of zinc</div> </div>		<div>Use standard cover caps with pin=Ø4mm</div> <div>Black available upon request</div>					

System 5

Cams and Dowels

Ø15mm Cam3000

- Its optimised shape provides a more efficient cam profile with smooth tightening action and greater dowel pull-up
- Suitable for use with Combi dowels, forged steel dowels, Quickfit dowels and Quickfit TL 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

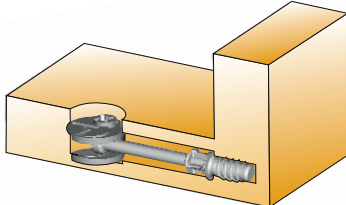
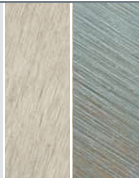
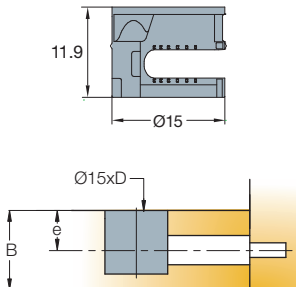


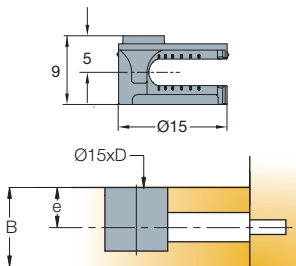


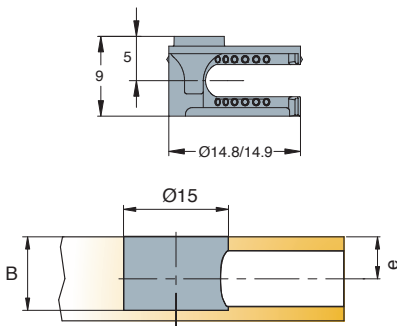


<div>  <div>Technical and mounting details</div> </div>		B	D	e	h	<div>  <div>Zinc</div> </div>	
<div> <div> <div>Cam3000 cross drive</div>  </div> <div>   </div> </div>		Panel thickness	Drilling depth	Drilling for dowel	Cam height	Item number	
<div> <div> <div>1000 Pcs</div> <div>Made of zinc</div> </div> <div> <div> <div>Cam3000 hexagonal drive</div>  </div> <div> <div>combined drive with HEX</div>  </div> </div> </div>		12/13	10.5	6 min	9.9	09495 →	885
		15/16	12.5	7.5-8	11.9	09533 →	885
		<div>Black available upon request</div>					
<div> <div> <div>1000 Pcs</div> <div>Made of zinc</div> </div> <div> <div> <div>Cam3000 hexagonal drive</div>  </div> <div> <div>combined drive with HEX</div>  </div> </div> </div>		15/16	12.5	7.5-8	11.9	09537 →	885
		18/19	14	9-9.5	13.2	09536 →	885
		<div>Use standard cover caps with pin=Ø4mm</div> <div>Black available upon request</div>					

System 5

Cams and Dowels

Ø15mm Cam3000 S

- Innovative design offers optimal performance with maximum cost effectiveness
- Suitable 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

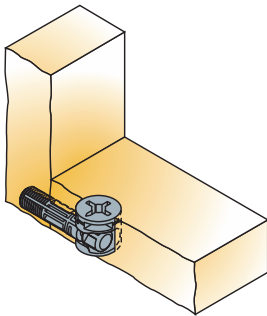



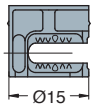
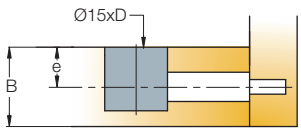




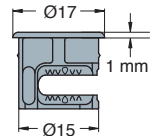
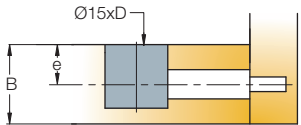




<div><div>Technical and mounting details</div></div>			B	D	e	Item number	<div></div>		
			Panel thickness	Drilling depth	Drilling for dowel		Zinc	Zinc corrosil	
<div><div>Cam3000 S/15</div><div></div><div><div>1000 Pcs</div><div>Made of zinc</div></div></div>			PZ2 drive 	15/16	12.5	7.5-8	09491 →	885	897
<div><div>Cam3000 S/12</div><div></div><div><div>2000 Pcs</div><div>Made of zinc</div></div></div>			PZ2 drive 	12 min	9.5 min	6 min	*09406 →	885	897
<i>* European market only</i>									
<div><div>Cam3000 S/12</div><div></div><div><div>1000 Pcs</div><div>Made of zinc</div></div></div>			Philips PH2 drive 	12 min	9.5 min	6 min	*09631 →	885	
<i>* American market only</i>									
<div><div>Cover caps</div><div>Made of plastic</div><div>09630</div></div>									

System 5

Cams and Dowels

Ø15mm Cam2000

- Available in a variety of head, drive recess and board thickness versions to suit most applications
- Suitable for use with all Titus dowels
- 'Klix' locking feature provides a strong, vibration proof joint
- Linear cam profile results in smooth, easy cam rotation and dowel pull-up

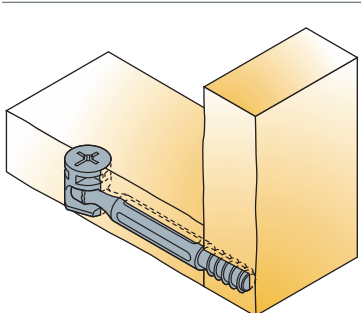

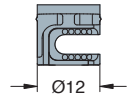
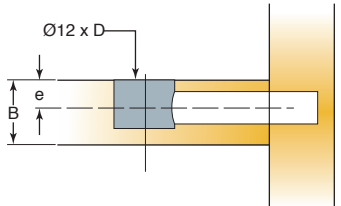

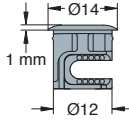
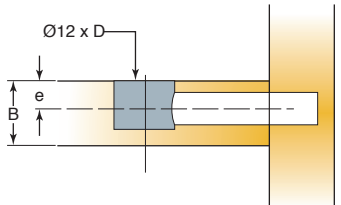
 <div>Technical and mounting details</div>				B	D	e					
			Panel thickness	Drilling depth	Drilling for dowel	Item number	Nickel	Zinc			
<div>Cam2000 Ø15</div>   	 	12/13	10min	6-6.5	*05587 →	847	885				
		12/13	10.9	6-6.5	05653 →	847	885				
		15/16	12.7	7.5-8	05644 →	847	885				
		15/16	12.7	7.5-8	05654 →	847	885				
		18/19	14	9-9.5	05656 →	847	885				
		22/23	16	11-11.5	05657 →	847	885				
		25/26	17.9	12.5-13	05676 →	847	885				
		28/29	19.4	14-15.5	05678 →	847	885				
		<div>Other finishes on request</div> <div>*Ultraflat - specially designed for thin panels (does not work with TL dowels)</div>									
<div> 500 Pcs (05676, 05678) 1000 Pcs</div> <div>Made of zinc</div>											
<div>Cam2000 Ø15 headed</div>   	 	12	10min	6	*05586 →	847	885				
		13	10.9min	6.5	05652 →	847	885				
		16	12.9	8	05658 →	847	885				
		19	13	9.5	05659 →	847	885				
		23	14.5	11.5	05675 →	847	885				
		26	16.5	13	05677 →	847	885				
		29	19.4	14.5	05679 →	847	885				
		<div>Other finishes on request</div> <div>*Ultraflat - specially designed for thin panels (does not work with TL dowels)</div>									
		<div><div> 500 Pcs (05675, 05677, 05679) 1000 Pcs</div><div>Made of zinc</div></div> <div><div> Cover caps for Ø15 cams Made of plastic</div><div>→ see page 1.65</div></div>									

System 5

Cams and Dowels

Ø12mm Cam2000

- Suitable 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
- Linear cam profile results in smooth, easy cam rotation and dowel pull-up

<div>  <div>Technical and mounting details</div> </div>		B	D	e				
		Panel thickness	Drilling depth	Drilling for dowel	Item number	Black painting plate	Nickel plated	Zinc
<div> <div>Cam2000 Ø12</div> <div>    </div> <div> <div>2000 Pcs</div> <div>Made of zinc</div> </div> </div>		12/13	10 min	6-6.5	05575 →	838	847	885
		15/16	12	7.5-8	05578 →			885
		18/19	13 min	9-9.5	05580 →			885
		Other finishes on request						
<div> <div>Cam2000 Ø12 headed</div> <div>    </div> <div> <div>1000 Pcs 2000 Pcs (05576)</div> <div>Made of zinc</div> </div> </div>		12	9.2 min	5.25	05574 →	838	847	885
		12	10 min	6	05576 →			885
		16	12.5	8	05579 →			885
		Other finishes on request						



Cover caps for Ø12 cams

Made of plastic

→ see page 1.65

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
- Angledriv 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
- Toolless fastening capable versions
- Back-to-back fastenings for common vertical panel fixing of shelves

System 6 consists of a range of 20mm and 25mm diameter housings, 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.

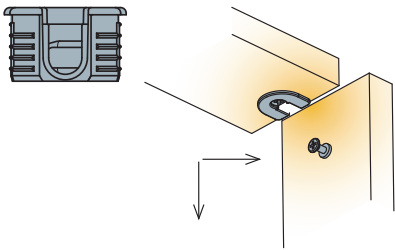
Applications

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

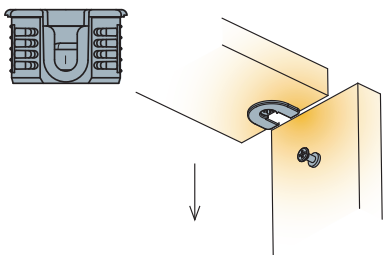
edge boring is required, it is an excellent choice for manufacturing environments with limited drilling capacity.

Side-entry Drop-on

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

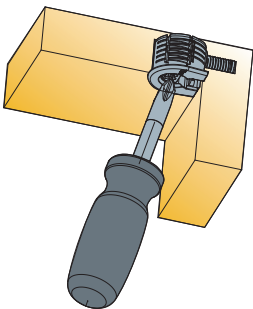


Drop-on insertion of shelf panel: only from the top
Using drop-on connections allows for one-man installation



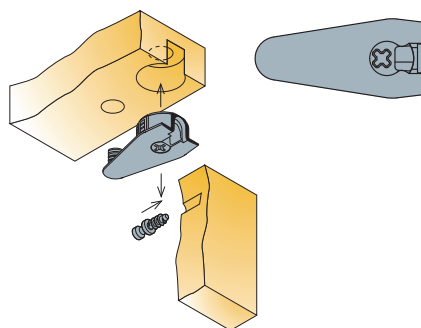
Angledriv feature

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

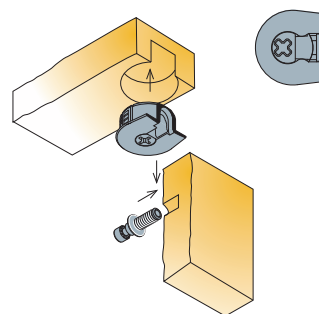


Outrigger/ Non outrigger

Outrigger

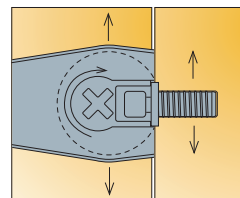
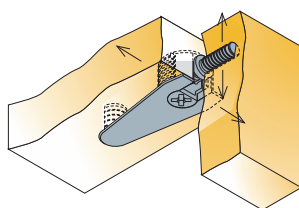


Non outrigger



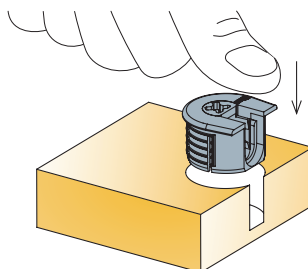
Expando function

Expanding housings and dowels provide a tight joint.

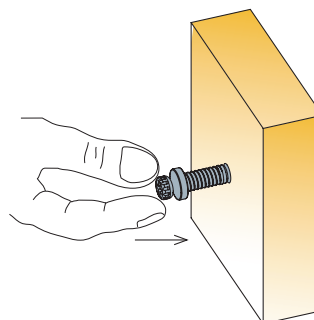


Assembly

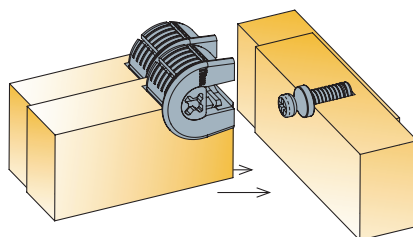
1. Press the housing into face board



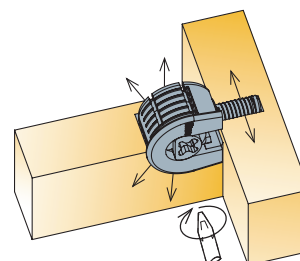
2. Press the dowel into side panel



3. Assemble the panels



4. Tighten the joint

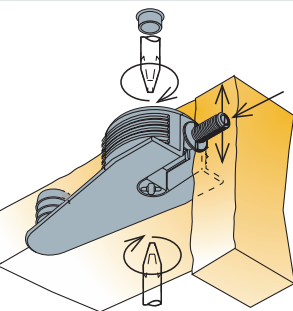

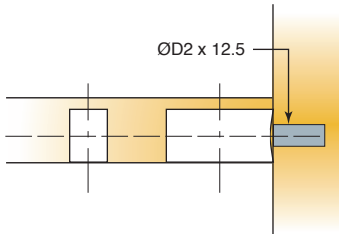



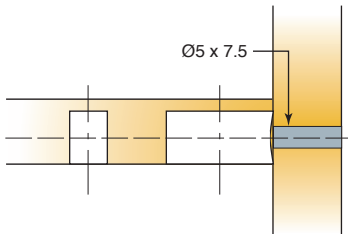



System 6

Quickfit-Expando

Expanding Dowels

- Available in Ø5mm, Ø8mm and Ø10mm for panel-to-panel, panel-to-hollow profile and back-to-back applications
- Suitable for applications with all Titus Ø20 and/or Ø25mm Expando-6 housings
- 'Klix' locking feature provides a strong, vibration proof connection
- Depth stop collar for accurate insertion

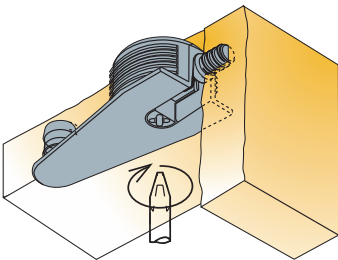

	Technical and mounting details	D2			
		Drilling diameter for dowel thread	Item number	Dark grey	Black
Dowel		5	06408 →	880	
		8	06410 →	880	
 D2= Ø5mm	 ØD2 x 12.5				
 D2= Ø8mm					
 5000 Pcs	Made of zinc, plastic				
Dowel Ø5 x 7.5 back-to-back applications			06479 →	880	
	 Ø5 x 7.5				
 5000 Pcs	Made of zinc, plastic				

System 6

Quickfit-Expando

Dowels

- Available in various Ø3mm and/or Ø5mm thread forms for screw-in, knock-in and/or 'spiked' hole applications
- Suitable for applications with all Titus Ø20mm and/or Ø25mm Expando-6 housings
- 'Klix' locking feature provides a strong, vibration proof connection
- Dowels feature an integral skirt which acts as a positive stop during insertion

				
Technical and mounting details			Zinc	Zinc plated
C	Drilling depth for dowel thread	Item number		



Inserts
Made of plastic

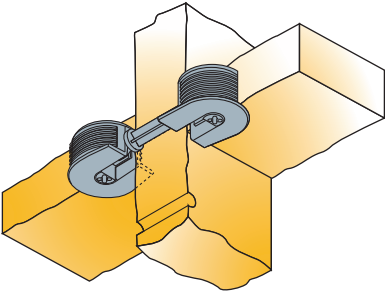

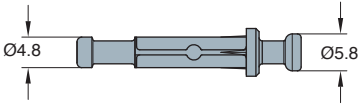
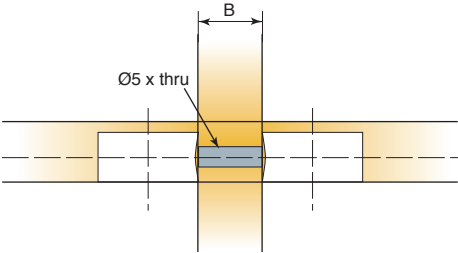
→ see page 1.64

System 6

Quickfit-Expando

Double-ended Dowels

- For 16mm, 18mm and 19mm board
- Suitable for applications with all Titus Ø20mm and/or Ø25mm Expando-6 housings
- 'Klix' locking feature provides a strong, vibration proof connection

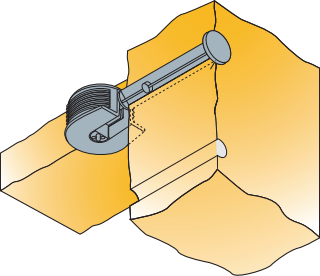


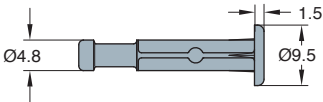
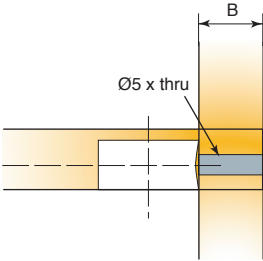
<div>  <p>Technical and mounting details</p> </div>	<div> <div>B</div> <div>Panel thickness</div> </div>	<div> <div>Item number</div> </div>	<div> <div>Zinc</div> </div>
		16	06414 → 885
		18	06413 → 885
		19	06416 → 885
<div> <div>Double-ended dowel</div> <div>    </div> </div>			


System 6

Quickfit-Expando

End Dowels

- For 16mm, 18mm and 19mm board
- Suitable for applications with all Titus Ø20mm and/or Ø25mm Expando-6 housings
- 'Klix' locking feature provides a strong, vibration proof connection

<div>  <div>Technical and mounting details</div> </div>		B	<div>  <div>Zinc</div> </div>
		Panel thickness	
<div> <div>End dowel</div> <div>    </div> </div>		16	06412 → 885
		18	06411 → 885
		19	06415 → 885



2500 Pcs
1000 PCS (06411)

Made of zinc

System 6

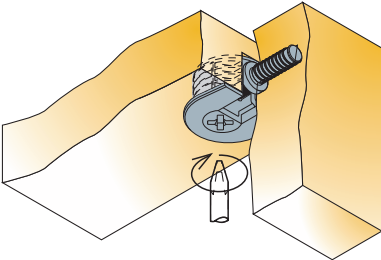
Quickfit-Expando

20mm Expanding Housing

Non-outrigger

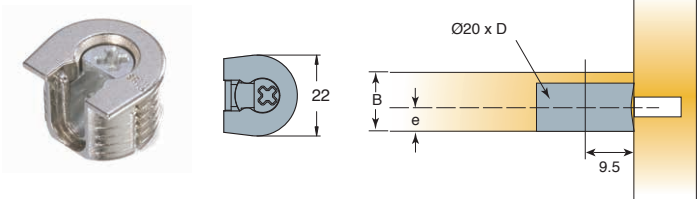
- Available in 15mm/16mm and 18mm/19mm versions for drop-on and/or side-entry applications
- Available in all-metal or plastic/metal options
- 'Klix' locking feature provides a strong vibration proof connection
- Compatible with all screw-in and Quickfit-6 dowels

Technical and mounting details				<div> <div></div> <div>Dark brown plastic</div> </div> <div> <div></div> <div>Nickel plated</div> </div> <div> <div></div> <div>Silver plastic</div> </div> <div> <div></div> <div>White plastic</div> </div>			
e	B	D	Item number				
Panel thickness	Drilling depth						
7.75	15/16	12.5	06451 →		847		
9.25	18/19	14	06453 →		847		
7.75	15/16	12.5	06435 →	831		861	877
9.25	18/19	14	06437 →	831		861	877
Other colours on request							
7.75	15/16	12.5	06447 →		847		
9.25	18/19	14	06449 →		847		
7.75	15/16	12.5	06431 →	831		861	877
9.25	18/19	14	06433 →	831		861	877
Other colours on request							



Technical and mounting details

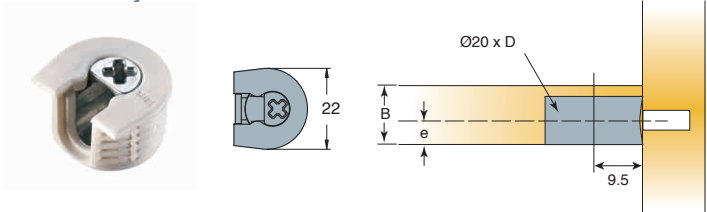
Side-entry



500 Pcs

Made of zinc

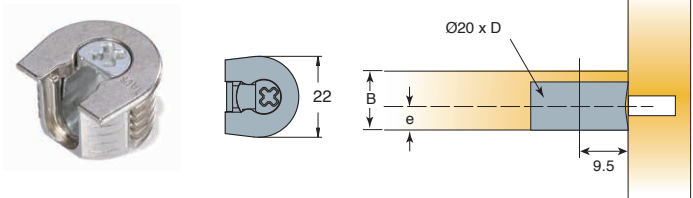
Side-entry



2500 Pcs

Made of plastic

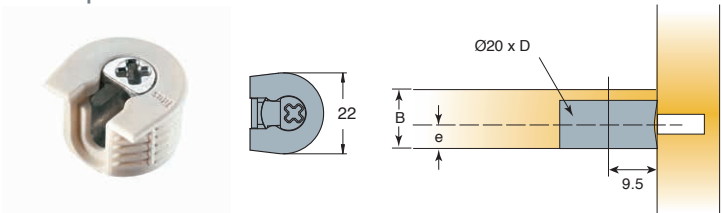
Drop-on



500 Pcs

Made of zinc

Drop-on



2500 Pcs

Made of plastic

System 6

Quickfit-Expando

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 connection
- Compatible with all screw-in and Quickfit-6 dowels

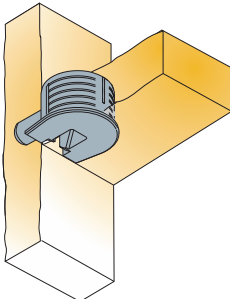


Technical and mounting details				<div> <div></div> <div>Dark brown plastic</div> </div> <div> <div></div> <div>Black plastic</div> </div> <div> <div></div> <div>Nickel plated</div> </div> <div> <div></div> <div>White plastic</div> </div>			
e	B	D	Item number				
Panel thickness	Drilling depth						
7.75	15/16	12.5	06459 →			847	
9.25	18/19	14	06461 →			847	
7.75	15/16	12.5	06443 →				877
9.25	18/19	14	06445 →	831	835		877
9.25	18/19	14	*06395 →		835		877
Other colours on request *American market only							
7.75	15/16	12.5	06455 →			847	
9.25	18/19	14	06457 →			847	
7.75	15/16	12.5	06439 →		835		877
9.25	18/19	14	06441 →	831	835		877
9.25	18/19	14	*06397 →		835		877
Other colours on request *American market only							

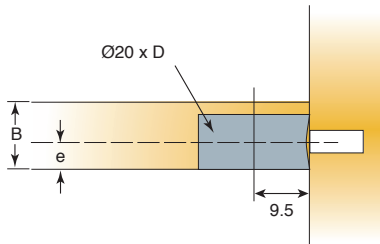
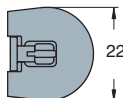
System 6


Quickfit-Expando

Expanding Wedgefix Housing (no Inner Cam)


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

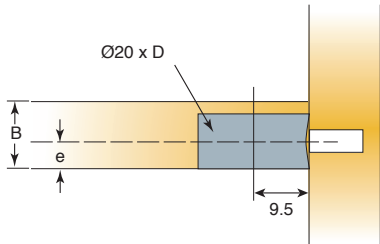
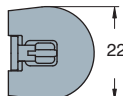
	Technical and mounting details							
<p>For use with screw-in dowels</p> 	e	B	D	Item number	White	Black	Dark brown	Silver
	6	12	10	06470 →	877			861
	7.75	15/16	12.5	06473 →	877	835	831	861
	9.25	18/19	14	06465 →	877	835	831	861
	11	22	16	06464 →				861
Other colours on request								




 2500 Pcs

Made of plastic

<p>For use with Quickfit dowels</p> 	7.75	15/16	12.5	06471 →	877	835	831	861
	9.25	18/19	14	06472 →	877	835	831	861
	Other colours on request							



 2500 Pcs

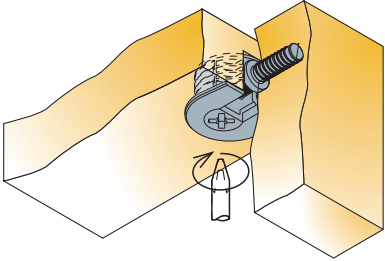

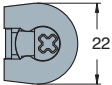
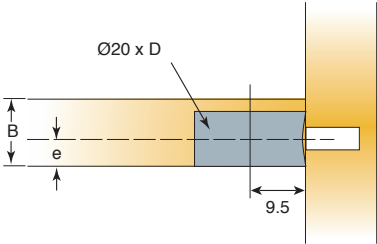


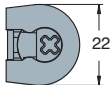
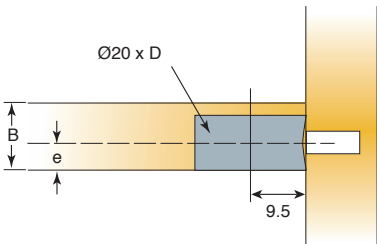

Made of plastic

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 all-metal or plastic/metal options
- 'Klix' locking feature provides a strong vibration proof connection
- Compatible with all screw-in and Quickfit-6 dowels

<div>  <div>Technical and mounting details</div> </div>	e	B	D		
	Panel thickness	Drilling depth	Item number	Silver plastic	White plastic
<div>Side-entry</div> <div>    </div>	7.75	15/16	12.5	06381 →	861 877
	9.25	18/19	14	06385 →	861 877
	<div>Product available on American and Asian market only</div> <div>Other colours on request</div>				
<div>  2500 Pcs Made of plastic </div>					
<div>Drop-on</div> <div>    </div>	7.75	15/16	12.5	06383 →	861 877
	9.25	18/19	14	06387 →	861 877
	<div>Product available on American and Asian market only</div> <div>Other colours on request</div>				
<div>  2500 Pcs Made of plastic </div>					



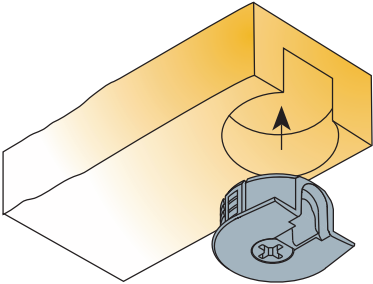


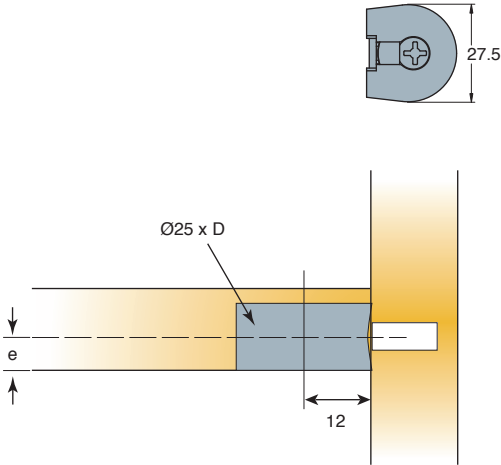



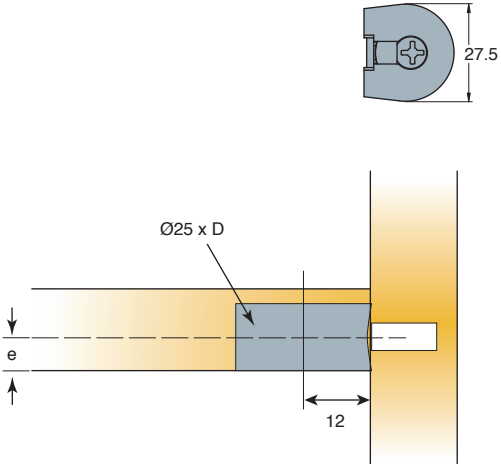

Cover cap 06463
Made of plastic

System 6

Quickfit-Expando

25mm Heavy Duty Expanding Housing Non-outrigger

- Suitable for 12mm, 15mm/16mm and 18mm/19mm board for drop-on and/or side-entry applications
- All-metal
- 'Klix' locking feature provides a strong vibration proof connection
- Compatible with all System 6 Quickfit dowels

<div>  <div>Technical and mounting details</div> </div>		D	e	Item number	<div>  <div>Nickel plated</div> </div>
Side-entry		Drilling depth	Drilling for dowel		
<div>   </div>		11	5	06953 →	847
<div>  500 Pcs Made of zinc </div>					
Drop-on		Drilling depth	Drilling for dowel	Item number	<div>  <div>Nickel plated</div> </div>
<div>   </div>		11	5	06949 →	847
<div>  500 Pcs Made of zinc </div>					

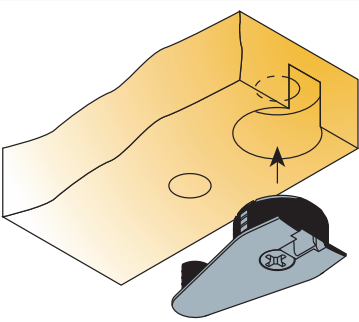


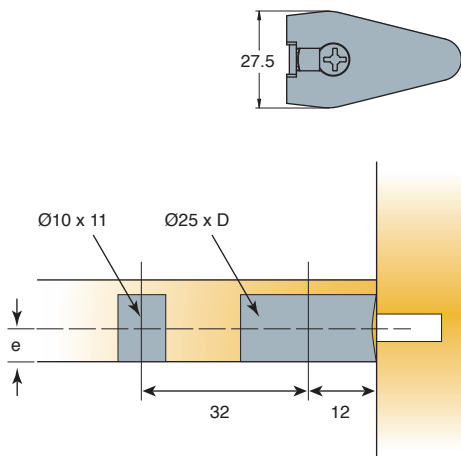


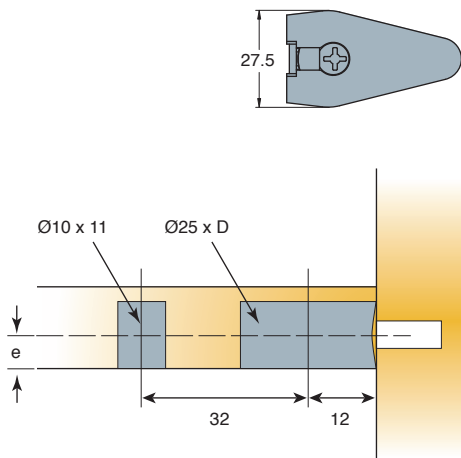

Dowels → see page 1.49

System 6

Quickfit-Expando

25mm Heavy Duty Expanding Housing Outrigger

- Suitable for 12mm, 15mm/16mm and 18mm/19mm board for drop-on and/or side-entry applications
- Available in all-metal
- 'Klix' locking feature provides a strong vibration proof connection
- Compatible with all System 6 Quickfit dowels

		D	e	Item number	 Nickel plated
Technical and mounting details		Drilling depth	Drilling for dowel		
Side-entry		11	5	06951 →	847
 					
 400 Pcs Made of zinc					
Drop-on		11	5	06947 →	847
 					
 500 Pcs Made of zinc					

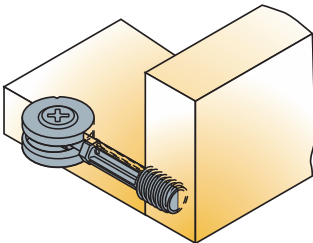

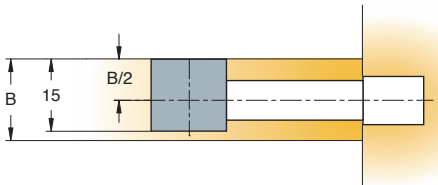


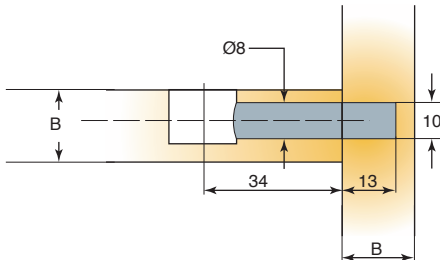

Dowels → see page 1.49

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

	Technical and mounting details	B		
Cam Ø20		Panel thickness	Item number	Zinc
		18	05409 →	885
 500 Pcs	Made of zinc			
Dowel Ø7 Ø10 mm thread		18 min	05410 →	885
				
 500 Pcs	Made of zinc			

System 7

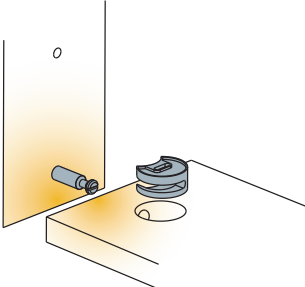



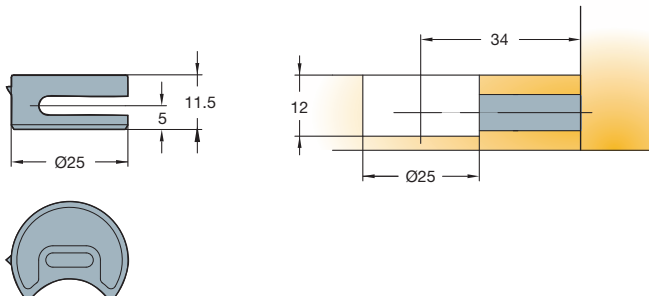

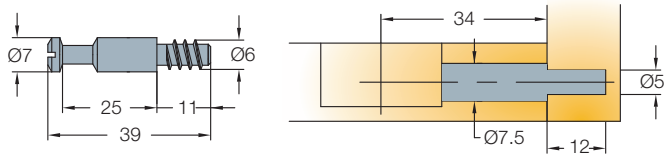

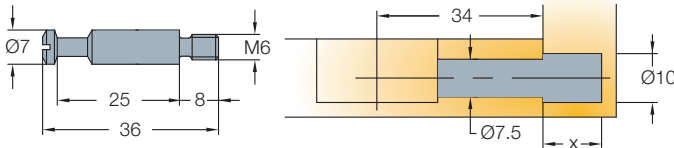



Heavy Duty Ø25mm

Cam and Dowel




Cam not compatible with other dowels

- For 13mm and thicker panels
- Cam drilling distance is 34mm
- A flat slot screwdriver must be used for cam tightening
- Decorative cover caps are available in different colours
- Dowel for direct installation in 5mm holes

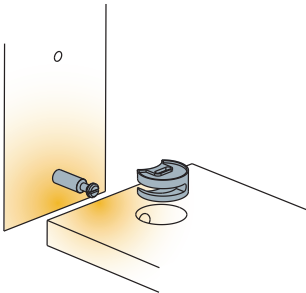



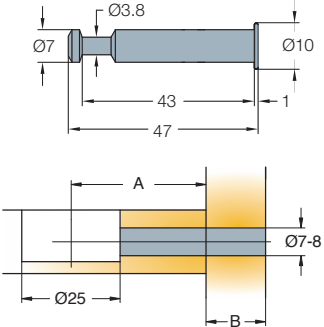

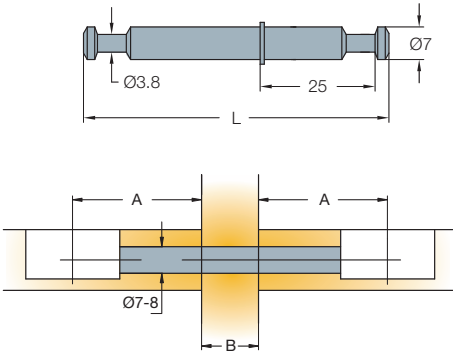

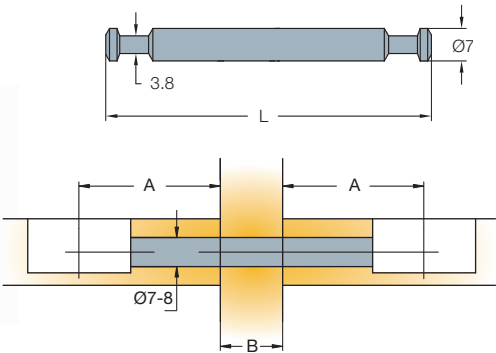
					
Technical and mounting details		Item number	Raw	Zinc plated blue	
Cam		275-3096 →	600		
  1000 Pcs Made of zinc					
Dowel with euro thread		275-2209 →		040	
  1000 Pcs Made of steel					
M6 dowel		275-2030 →		040	
  1000 Pcs Made of steel  275-4058 x=11 275-4035 x=13					
 Cover cap Made of plastic → see page 1.65		 Inserts Made of plastic → see page 1.64			

System 7

Heavy Duty Dowels



Heavy duty only. Can't be used with other cams.

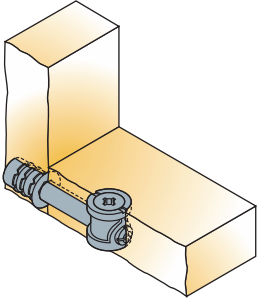

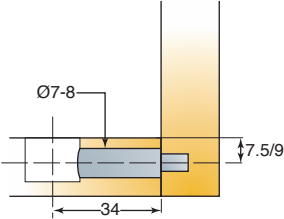


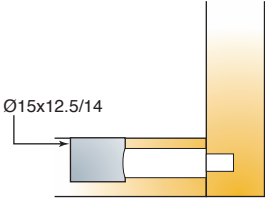


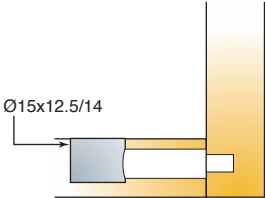


<div>  <div> Technical and mounting details </div> </div>		L	A	B	Item number	<div>   </div>	
		Overall length	Drilling distance	Panel thickness		Zinc plated blue	Brass plated black
<div> End dowel </div> <div>   <div> <div> 500 Pcs </div> <div> Made of steel </div> </div> </div> <div></div>			52-B		275-2146 →	040	*085
		<div> * Available upon special request → see chapter Important Information </div>					
<div> Dowel with circlip </div> <div>   <div> <div> 500 Pcs </div> <div> Made of steel </div> </div> </div> <div></div>		76	34	20	275-0103 →	040	
		73	34	17	275-0106 →	040	
<div> Dowel without circlip </div> <div>   <div> <div> 500 Pcs </div> <div> Made of steel </div> </div> </div> <div></div>		74	34	20	275-2057 →	040	
		76	34	18	275-2058 →	040	

System 7

High Strength Connectors


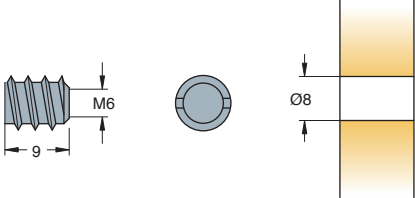


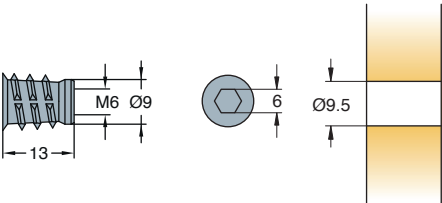


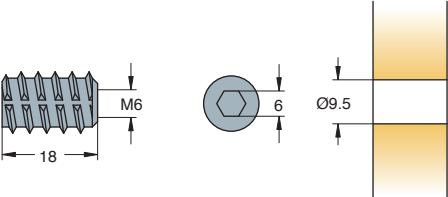


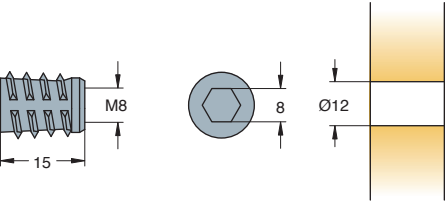

Contract Fix™ System

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

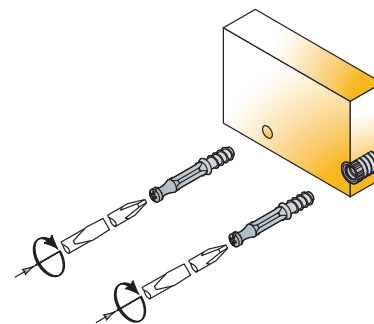
Technical and mounting details		Item number	Zinc plated	Zinc
		M6 Dowel 7x34	05971 →	883
 		 1000 Pcs Made of steel		
 		Housing cylinder 15x12	05960 →	885
 1000 Pcs Made of zinc				
 		Grub screw	05917 →	885
 2500 Pcs Made of zinc				
 Inserts Made of zinc → see page 1.63				




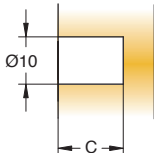



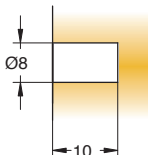


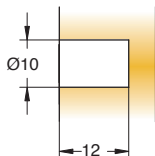
Accessories for Connectors

Inserts

Technical and mounting details			Item number	Raw
Ø8 x 9 <div>   </div> <div>  600 Pcs Made of zinc </div>			408-3166 →	600
Ø9 x 13 <div>   </div> <div>  1000 Pcs Made of zinc </div>			408-3391 →	600
Ø9.5 x 18 <div>   </div> <div>  1000 Pcs Made of zinc </div>			408-3423 →	600
Ø12 x 15 <div>   </div> <div>  1000 Pcs Made of zinc </div>			408-3424 →	600

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

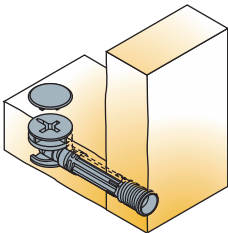





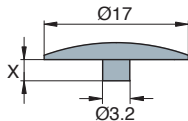


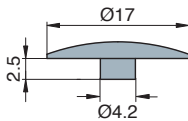


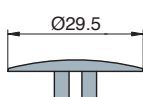



Technical and mounting details		C	Item number	Natural white	Natural
		Drilling length for insert			
Ø10 x 13/M6 nut		13	275-4035 →	200	
<div></div> <div><div>275-4035</div><div></div></div> <div><div>275-4058</div><div></div></div> <div><div></div></div> <div><div>20000 Pcs (275-4035)</div><div> 30000 Pcs (275-4058)</div><div>Made of plastic</div></div>		11	275-4058 →	200	
Ø8 x 10/M4 nut			276-4036 →	200	
<div></div> <div><div></div></div> <div><div></div></div> <div><div>50000 Pcs</div><div>Made of plastic</div></div>					
Euro thread		twinstart thread	02182 →		846
<div></div> <div><div>Euro thread 5</div><div></div></div> <div><div></div></div> <div><div>10000 Pcs</div><div>Made of plastic</div></div>					

Accessories for Connectors

Cover Caps

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

		X	Item number					
Technical and mounting details				Dark brown	Black	Light brown	Light grey	
Cover cap Ø17			3.3	*01029 →	834	835	867	882
			2.5	277-4355 →	370	390	330	380
			*American market only Other colours on request Suitable for cams with Pozi 2 recess					
 1000 Pcs	Made of plastic							
Cover cap Ø17				277-4225 →	370	390	330	380
			Other colours on request Suitable for cams with Hex recess					
 1000 Pcs	Made of plastic							
Cover cap Ø29.5				275-4034 →	370	390	330	380
			Other colours on request					
 500 Pcs	Made of plastic							