Cam5000

Universal cam

New Cam5000 works with all Titus parallel neck dowels enabling simple stock management and greater confidence in use.

Highly resistant central shape

Shape of the cam body is redesigned to prevent the cam toroidal deformation or breakage in panel while tightening. The Cam5000 high resistance enables strong and reliable joint.



Linear cam profile

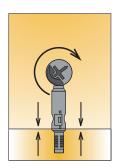
Linear cam profile ensures:

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



Optimised cam profile

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



2 o'clock lock

The cam always locks at 2 o'clock (230°), enabling greater consumer confidence in use while improving furniture quality.



Cam retaining pips

Cam retaining pips assures:

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

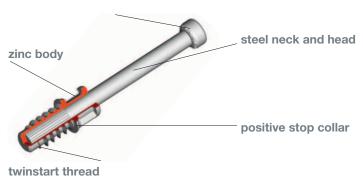


Zinc+steel Combi Dowels

Zinc+steel technology for optimal strength and performance

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

toroidal head form

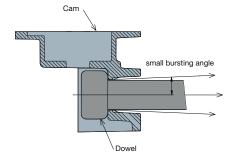


The steel neck and head provide better resistance to torsion and pull-out enabling a high performance joint

Zinc body:

Positive stop collar ensures correct insertion depth

Twinstart for faster and more stable insertion



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



100% dimensional accuracy assured

Quickfit 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.

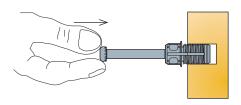
The Quickfit™ range of dowels has been extended to provide a complete family of fittings available in diameters of 5mm, 8mm and 10mm and lenghts of 24mm and 34mm. These dowels are compatible with the range of TitusØ15mm cams.

Assembly

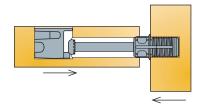
1. Press the cam into face board



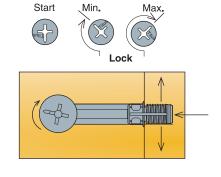
2. Insert the dowel into side panel



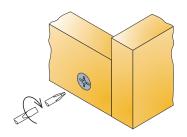
3. Assemble the panels



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-TLTM 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-TLTM 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.

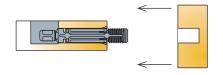
Quickfit-TLTM provides a tolerance of +1/-1mm on drilling operation while ensuring that the final result is a perfectly precise and aligned joint. No other assembly fittings system can offer such tolerances and still maintain a perfect joint.

Assembly

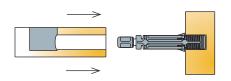
1. Press the cam into face board



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

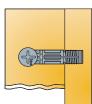


2b. Insert the dowel into side panel

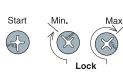


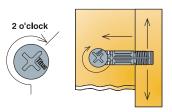
3. Assemble the panels





4. Tighten cam to lock dowel





Quickfit TL5

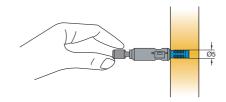
'Full metal jacket'

Quickfit TL5 with expanding steel sleeve is the new generation of Titus Quickfit TL dowels. It expands the Titus Quickfit toolfree insertion technology to widely used Ø5mm dowel holes.

Tool-free insertion for Ø5mm dowel holes

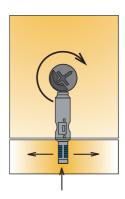
Unique at the market

- · Easy to push in
- · Works without wooden dowels



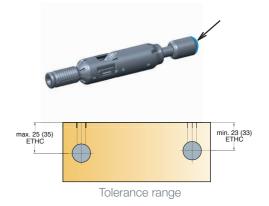
Expanding steel sleeve

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



High drilling tolerances

Extended dowel head form works as a positive stop against cam and provides tolerances of -/+1mm on drilling operation.



ETHC-Edge To Hole Center

Shape of dowel sleeve

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



50% less time to assemble the cabinet with factory insertion

Quickfit TL5 dowel is inserted into the panel by simply pushing the head of the dowel into the edge hole until it engages with the cam. It remains in this position until the cam is rotated to lock the boards together.



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



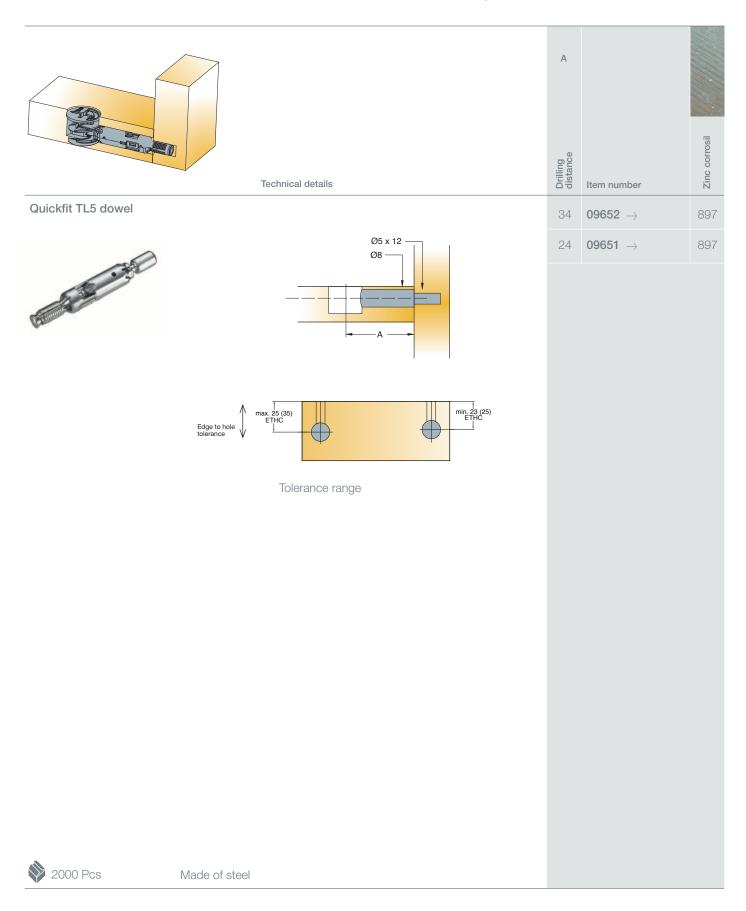
Functions with multiple wooden · Functions with multiple wooden materials: materials

- chipbard, MDF, solid wood
- · Improved performance in low density boards
- $\cdot\,$ Assures strong and reliable joint

System 5 **Quickfit TL5**

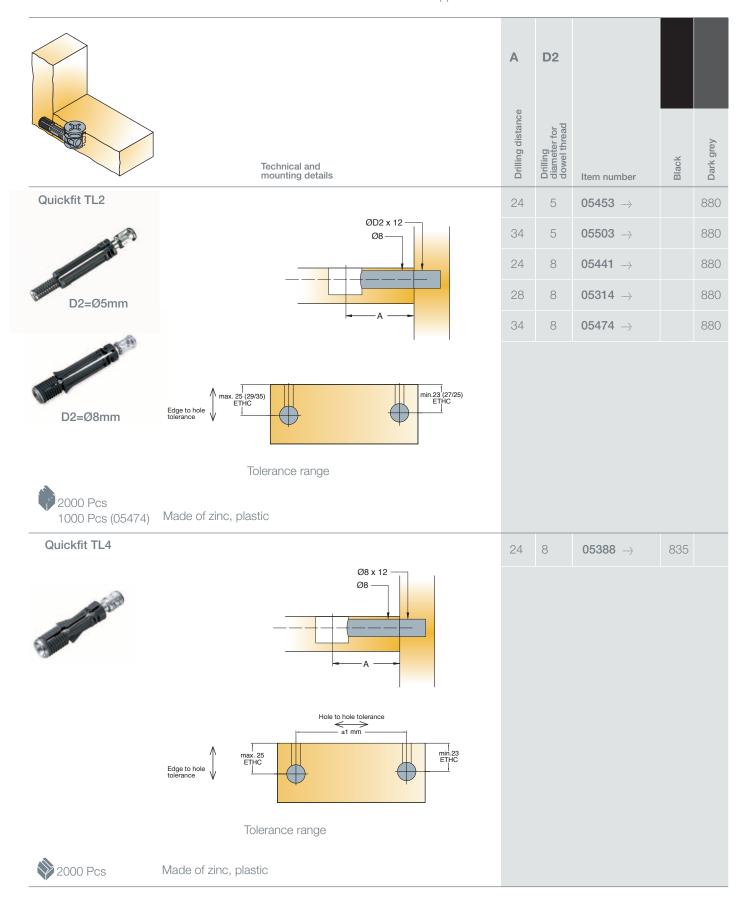
'Full Metal Jacket'

- Tool-free insertion technology for Ø5mm dowel holes
 To be used with Cam5000 only
 Drilling tolerances of +1/-1mm when edge or face
- · Expanding steel sleeve assures a strong joint, highly resistant to pull-out
- · Functions in multiple wooden materials (chipboard, MDF, solid wood)



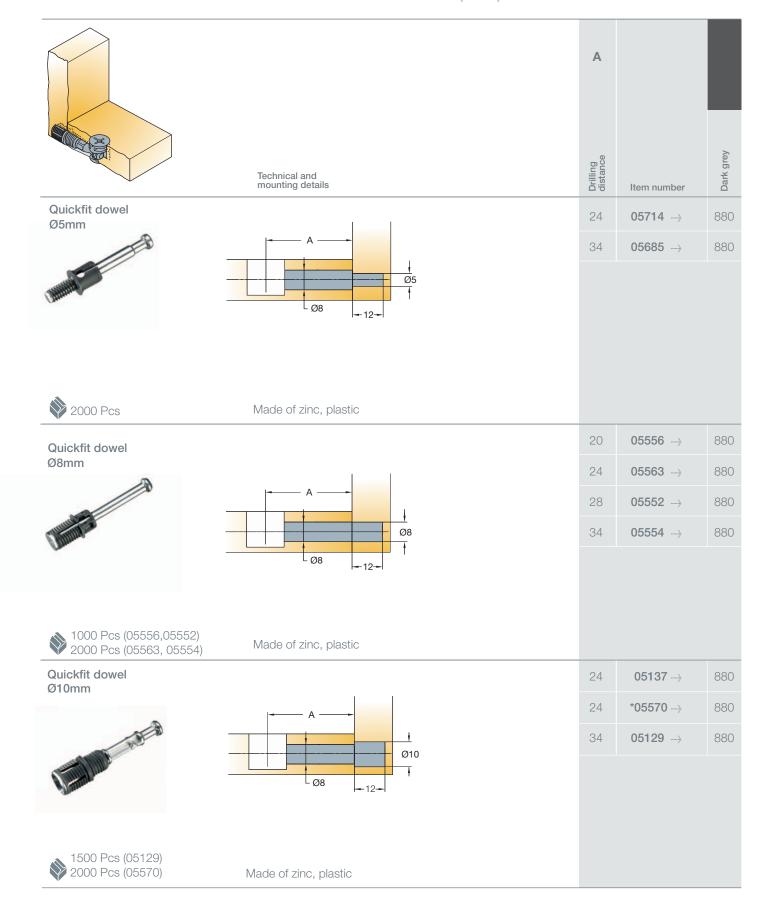
Quickfit TL Dowels

- · 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
- · Highly tolerant in edge-inserted, TL4 also in face-inserted applications



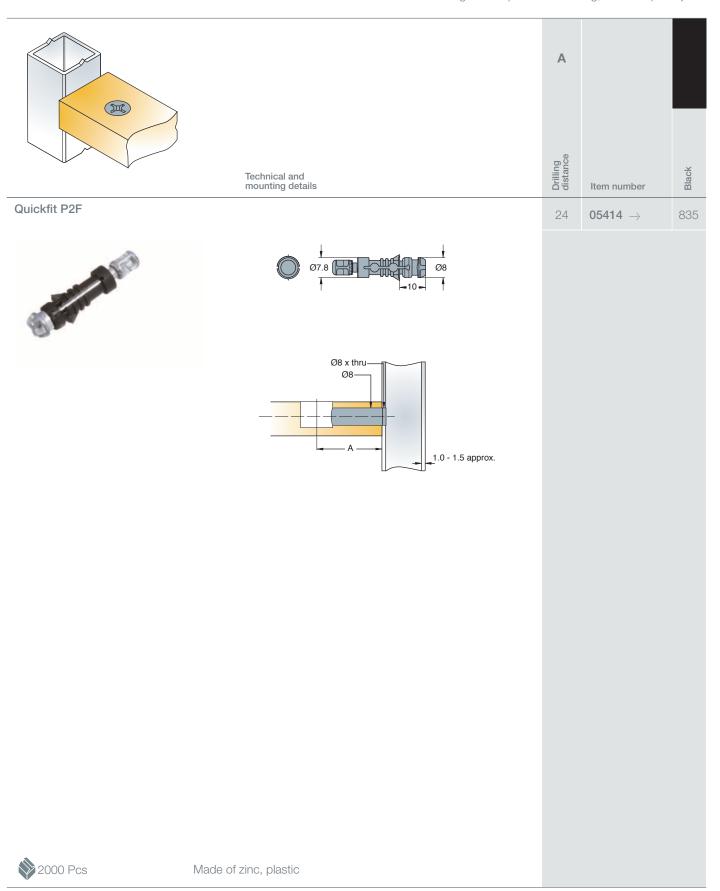
Quickfit Dowels

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



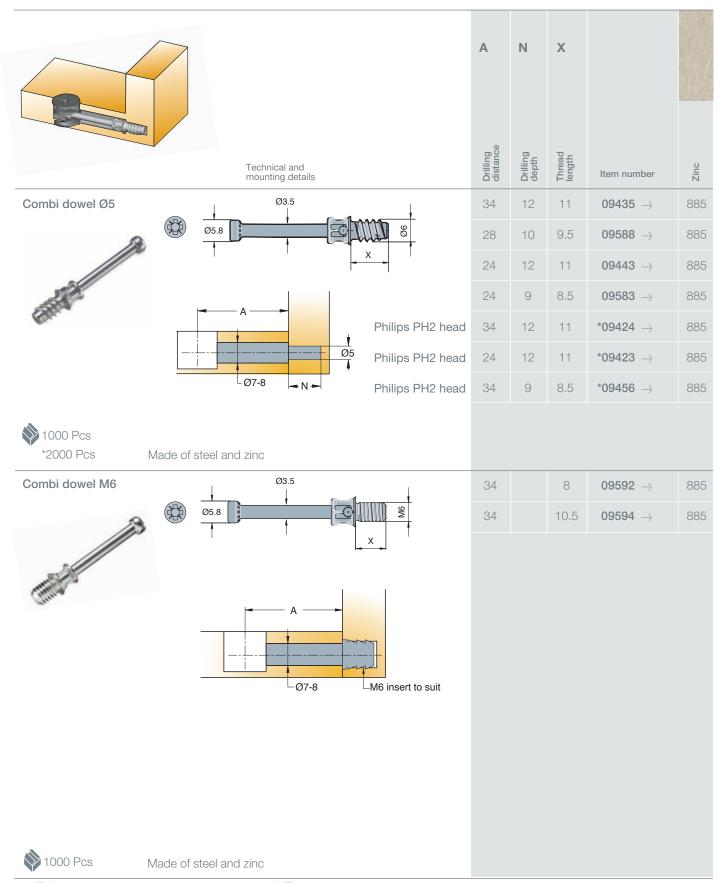
Quickfit P2F Dowels

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



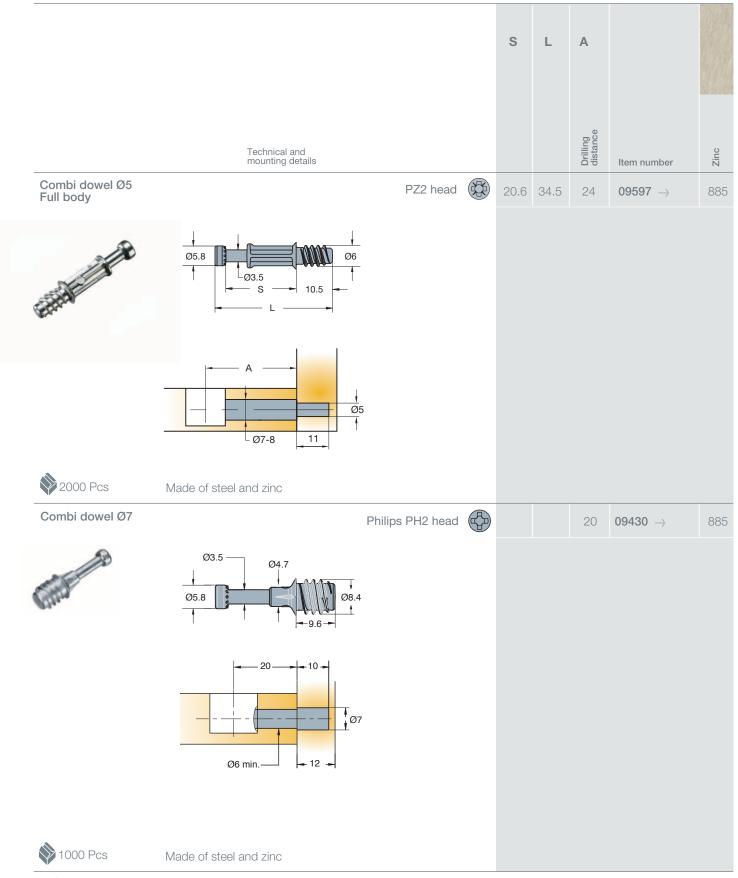
Combi Dowel

- High quality zinc-steel dowel with greater resistance to torsion and pull-out
- 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



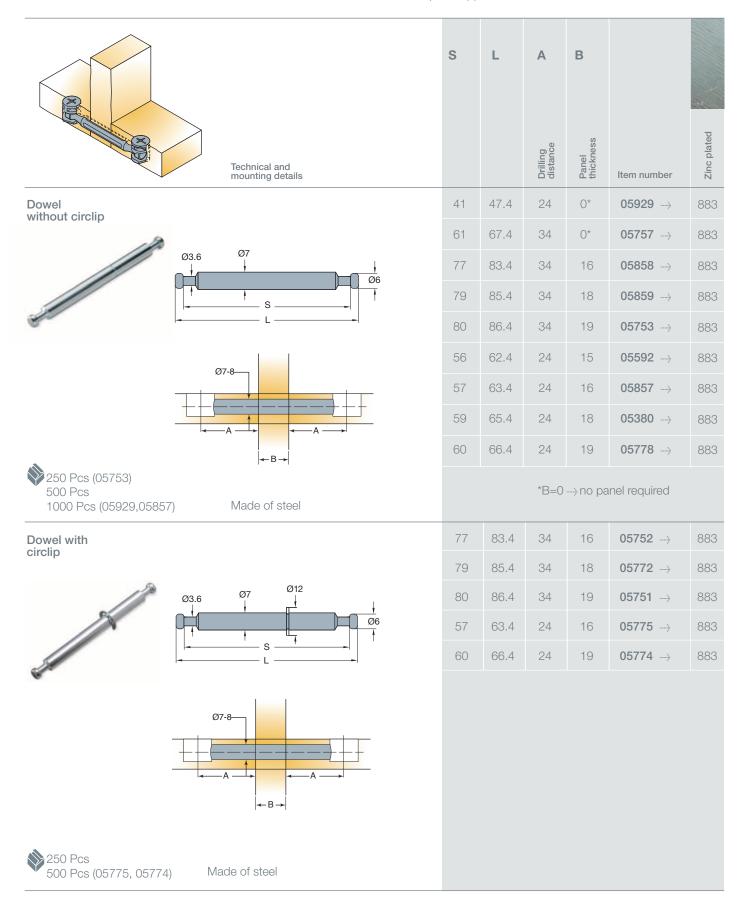
Titus

Combi Dowel



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-topanel applications

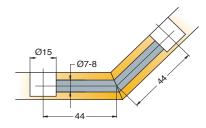


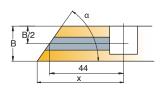
Angled Dowels

- · 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°









Distance x in mm

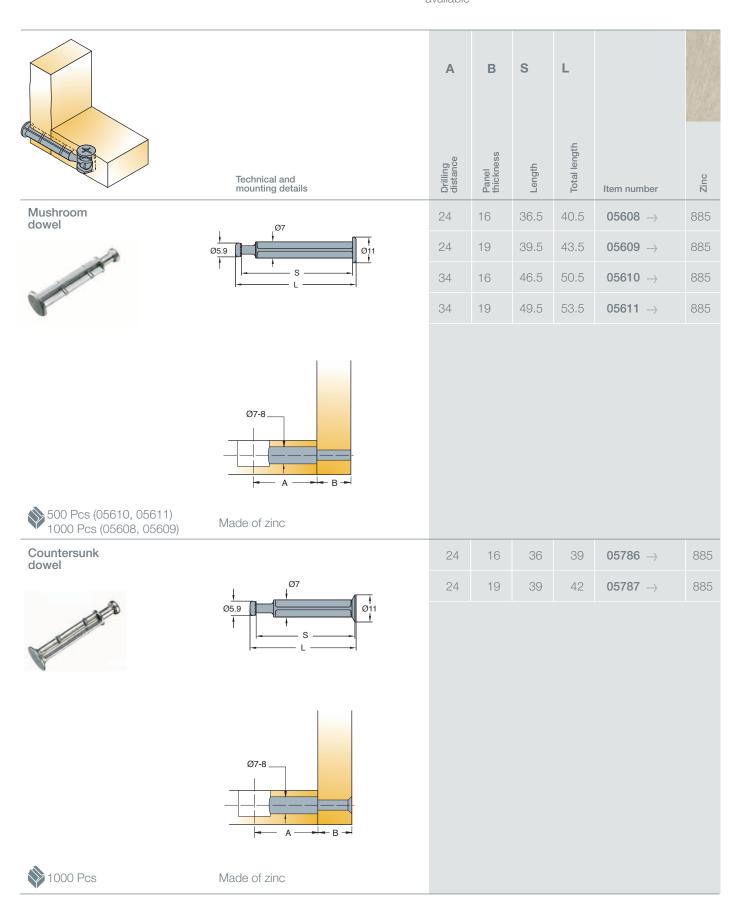
α		20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	67,5°	70°	75°	80°	85°	
	13	61.9	57.9	55.3	53.5	51.7	50.5	49.5	48.6	47.8	47	46.7	46.4	45.7	45.1	44.6	
	15	64.6	60.1	57	54.7	52.9	51.5	50.3	49.3	48.3	47.5	47.1	46.7	46	45.3	44.7	
	16	66	61.2	57.9	55.4	53.5	52	50.7	49.6	48.6	47.7	47.3	46.9	46.1	45.4	44.7	
В	18	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	Х



Made of steel

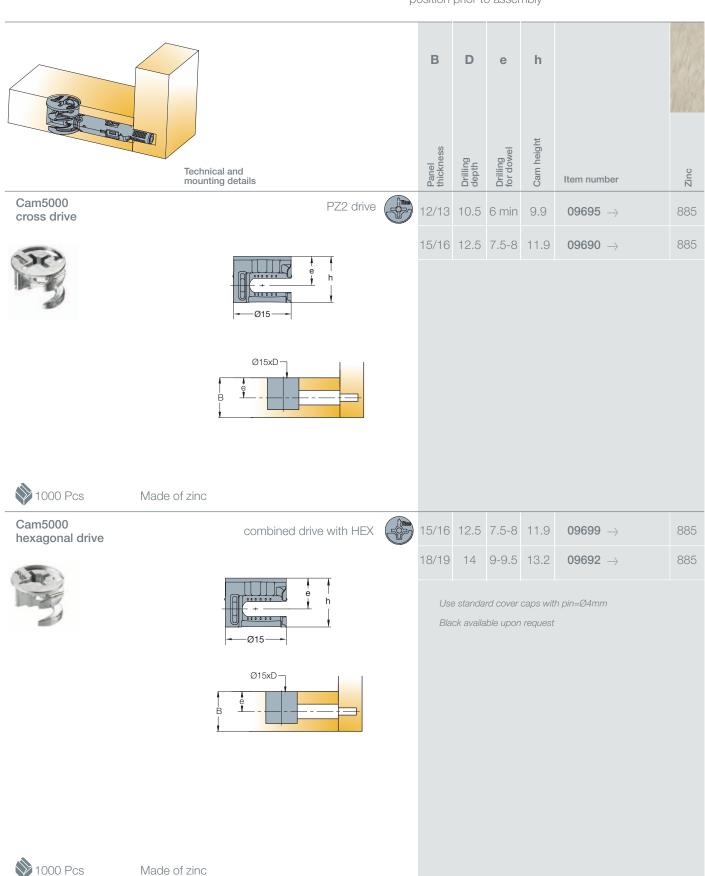
End Dowels

- $\cdot\,$ 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
- Both 'mushroom' and countersunk headed versions available



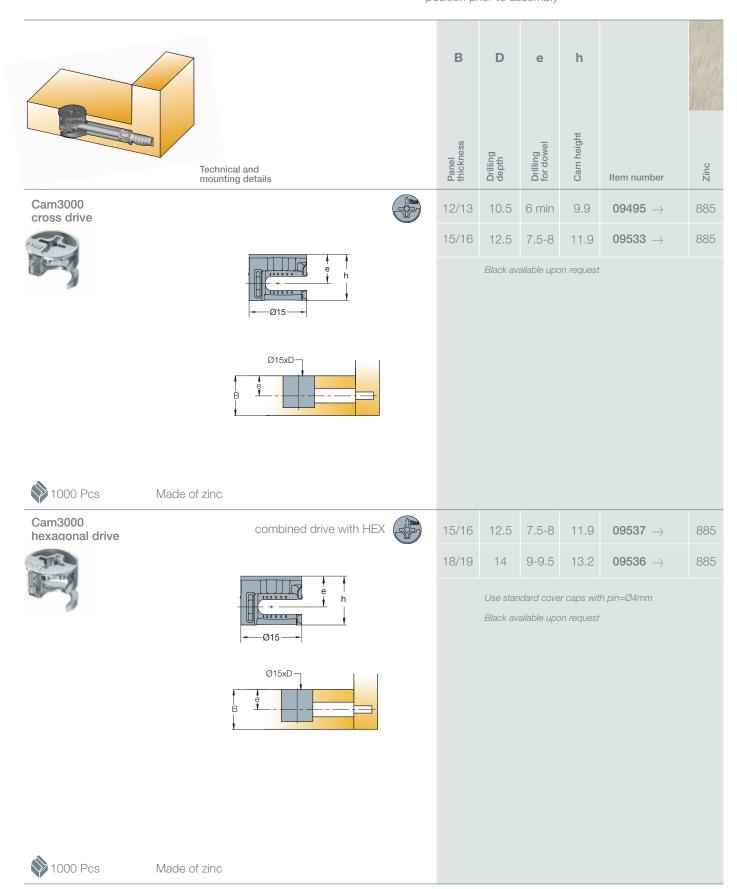
Ø15mm Cam5000

- · Improved central shape for highly resistant cam
- Suitable for use with Steel Quickfit TL5 dowels and all other parallel neck dowels
- · 'Klix' locking feature provides a strong, vibration proof joint
- Cam retaining pips ensure that cam is held in panel position prior to assembly



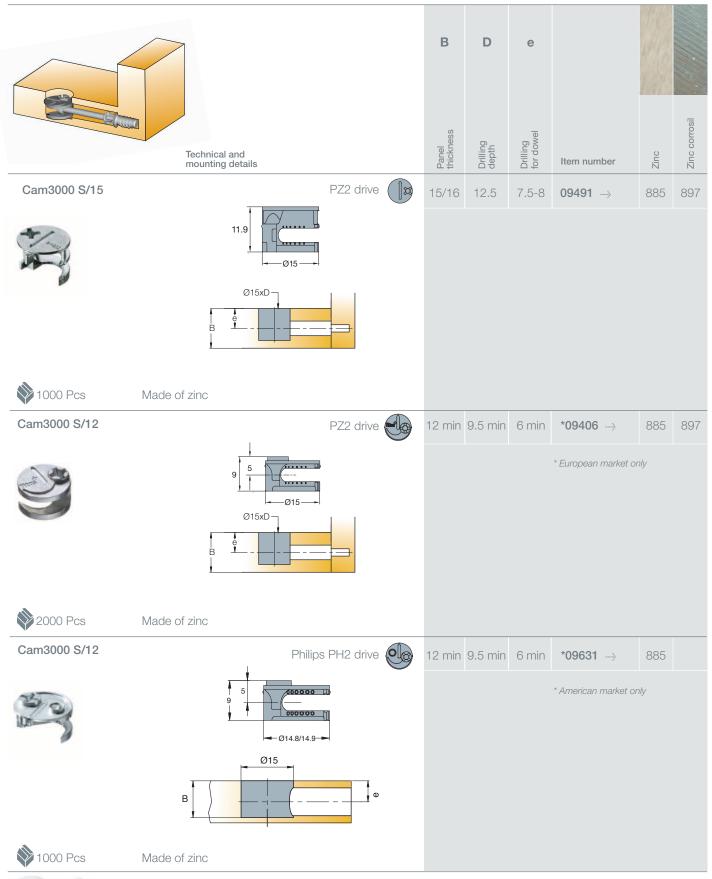
Ø15mm Cam3000

- 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 ioint
- Cam-retaining pips ensure that a cam is held in panel position prior to assembly



Ø15mm Cam3000 S

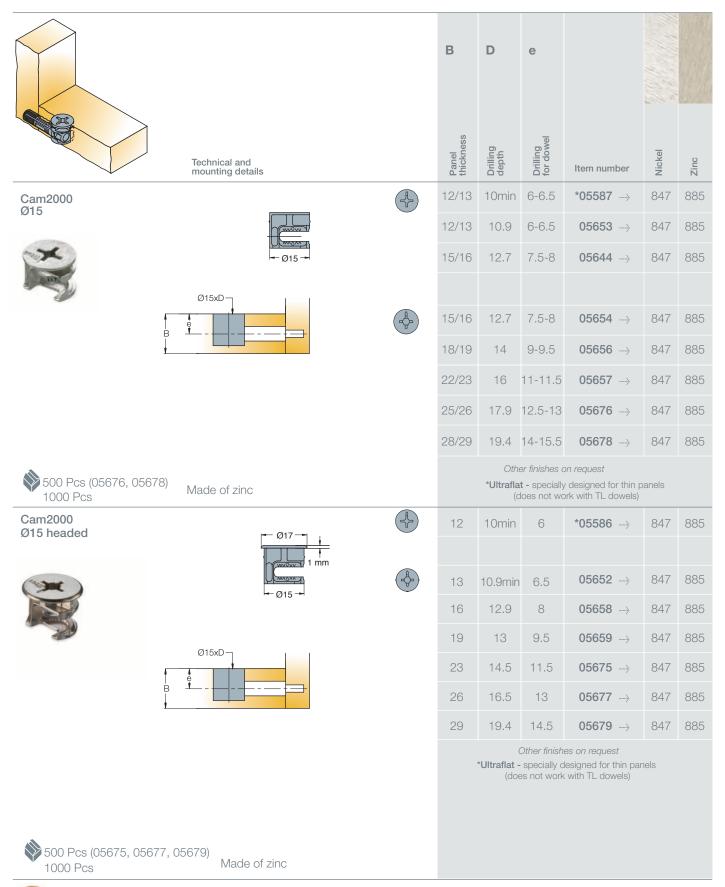
- · Innovative design offers optimal performance with maximum cost effectiveness
- Suitable for use with Combi dowels, forged steel dowels and Quickfit dowels
- 'Klix' locking feature provides a strong, vibration proof joint
- Cam-retaining pips ensure that a cam is held in panel position prior to assembly





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



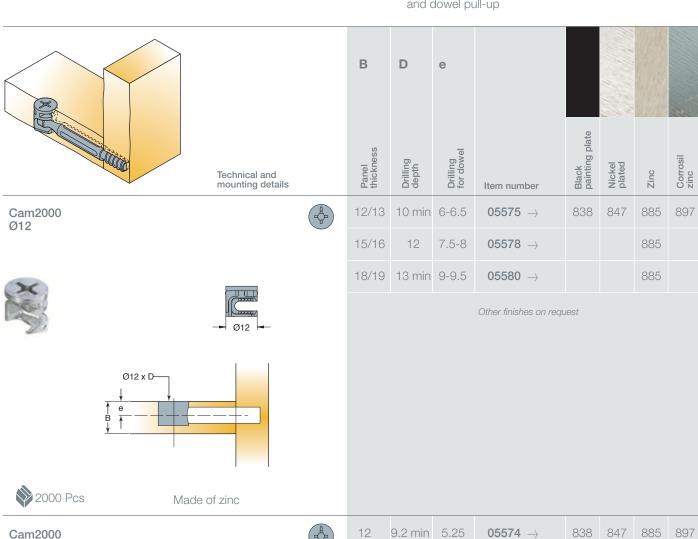


Cover caps for Ø15 cams

-----> see page 1.63

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



12

16

10 min

12.5

6

8

05576 --->

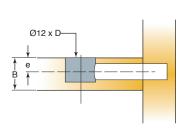
05579 -->

Other finishes on request

Cam2000 Ø12 headed







Made of zinc



----> see page 1.63