Connectors
Important
Information

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It is the responsibility of the user to ensure the fitness of hardware for the intended purpose. We recommend assessment by appropriate testing in the application and by technical enquiry to our representatives.

Technical information
While every effort has been made in the production of this catalogue to ensure the accuracy of information, our products are continually being revised and users should confirm the up to date specification before ordering.

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All Item numbers in the catalogue marked with * are for non preferred non stock items available upon special request. For such products, extended delivery times may apply.

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@TitusGroup
## System 1

**Fittings for rigid assembly systems**

A highly cost-effective and rigid assembly system for factory, consumer and home assembly

Page 6

## System 2

**Fittings for face-boring applications**

Face boring applications that provide a tolerant efficient assembly

Page 9

## System 3

**Fittings for face and edge boring**

Two component rigid face and edge drilling fastening

Page 10

## System 4

**Fittings for face-boring only**

A range of low-cost one-piece fittings for high volume home assembly applications

Page 12

## System 5

**Cams and dowels**

A comprehensive range of cam and dowel connecting fittings for all cabinet applications

Page 16
### System 6

**Quickfit™ Connectors**  
Fittings for face boring only  

face boring connectors for all cabinet applications.

### System 7

**Heavy duty cams and dowels**  

high quality fittings for offices and public furniture.
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™ TL2, TL4 with the built-in self adjustment feature is the only available dowel that allows for pre-insertion. 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

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.

\[
(T+A)N = CAF
\]

Minimize 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

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# System 1
## Fittings for Rigid Assembly Systems

## System Features

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

### Hi-Lo™ carcase construction screw
The Hi-Lo™ carcase 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 speedier 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 colors
- 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

Screw
6x42

Technical and mounting details

1. Insert screw to shoulder in face board
2. Screw into Ø5mm hole
3. Board joint pulled up by collar on screw
4. Board locked in place by screw

2000 Pcs
Made of zinc

Item number
Zinc

00180 — 885

System 1
Fittings for Rigid Assembly Systems
Double Locking Carcase Screw

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Made of zinc

Item number
Zinc

00180 — 885
### 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

#### Hi-Lo™ screw

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**Technical and mounting details**

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

Made of steel

#### Barrel nut

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</table>

*Other colors on request*

- 10000 Pcs

Made of plastic

#### Screw cap

- pozi, philsps 01020 → 835 877
- hexagon 01042 → 877

*Other colors on request*

- 50000 Pcs

Made of plastic
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

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2000 Pcs Made of plastic

Made of plastic
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

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<tr>
<th>Housing assembly</th>
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<td><strong>2500 Pcs (03090)</strong></td>
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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
· Angle drive versions fastening with maximum driving power and flexibility
· Quickloc™ versions need only one turn to tighten for fast assembly
· Foolproof consumer home insertion

Quickloc™

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

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Quickloc™ Ø20 flanged

- Made of zinc, plastic

2500 Pcs

Quickloc™ Ø25 flanged

- Made of zinc, plastic

1500 Pcs
# System 4

**Fittings for Face-Boring Only**

Flushbloc™ / Flushfix™

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**Technical and mounting details**

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

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<th>Flusbloc™ assembly</th>
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<td>Ø5x13</td>
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<td>Ø25x11</td>
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- Made of zinc, plastic

**Angeldriv screw for use with Flushfix™**

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- Made of zinc

---

2500 Pcs

4000 Pcs (00022)

*Other colors on request*
System 4
Fittings for
Face-Boring Only
Minibloc™

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

Minibloc™

Technical and mounting details

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*assembly with screw
Other colors on request

2500 Pcs (02120) Made of zinc, plastic
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

Fittings are made from zinc, steel and high grade plastic.

Dowels

- Quickfit™ TL2, TL4 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.
System 5
Cams and Dowels

System Features

Drilling tolerances
Optimal performance and perfect joint even with inaccurate drilling.

Zinc/Combi dowel
+/-0.5mm

Quickfit™ TL2 dowel
max. 25(35) min. 23(33)

Quickfit™ TL4 dowel
max. 25(35) min. 23(33)

Pre-inserted dowels
Quickfit™ TL2 and Quickfit™ TL4 are the only available dowels that allow for factory pre-insertion

- Easier packing
- Less damages in handling
- Perfect for the RTA market
Quickfit™ TL Connectors

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

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

Drilling tolerances

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

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

Assembly

1. Press the cam into face board

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

2b. Insert the dowel into side panel

3. Assemble the panels

4. Tighten cam to lock dowel
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.

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
- Suitable for use with Cam5000
- Functions in multiple wooden materials (chipboard, MDF, solid wood)

Technical details

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To be used with Cam5000 only

Tolerance range

2000 Pcs
Made of steel
**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 and Cam3000 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

**Quickfit™-TL2**

- ØD2 x 12
- Ø8

**Tolerance range**

- Edge to hole tolerance: max 25 (35) ETHC, min 23 (33) ETHC

**Item number**

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**Made of zinc, plastic**

**2000 Pcs**

1000 Pcs (05474)

---

**Quickfit™-TL4**

- Ø8 x 12
- Ø8

**Tolerance range**

- Edge to hole tolerance: max 25 ETHC, min 23 ETHC
- Hole to hole tolerance: ±1 mm

**Item number**

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**3000 Pcs**

Made of zinc, plastic
System 5 Cams and Dowels
Quickfit™ Dowels
Quickfit™ P2F Dowels

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

<table>
<thead>
<tr>
<th>Item number</th>
<th>Dark grey</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>05563</td>
<td>→ 880</td>
<td></td>
</tr>
<tr>
<td>05570</td>
<td>→ 880</td>
<td></td>
</tr>
<tr>
<td>05129</td>
<td>→ 880</td>
<td></td>
</tr>
</tbody>
</table>

**Quickfit™ dowels**

2000 Pcs
1500 Pcs (05129) Made of zinc, plastic

2000 Pcs Made of zinc, plastic

**Quickfit™ - P2F**

24 8 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 and Cam3000 products
- ‘Klix’ locking feature provides a strong, vibration proof joint
- Twinstart thread for faster and reliable insertion

<table>
<thead>
<tr>
<th>Item number</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>09424 →</td>
<td>885</td>
</tr>
<tr>
<td>09423 →</td>
<td>885</td>
</tr>
<tr>
<td>09456 →</td>
<td>885</td>
</tr>
</tbody>
</table>

Combi dowel

Philips PH2 head

Made of steel and zinc

2000 Pcs

Inserts
Made of plastic
02182-846
10000 Pcs
**System 5**

**Cams and Dowels**

**Double-ended Dowel**

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

![Technical and mounting details](image)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>D1</th>
<th>Item number</th>
<th>Zinc Plated Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>0*</td>
<td>7-8</td>
<td>05929</td>
<td>883</td>
</tr>
<tr>
<td>34</td>
<td>0*</td>
<td>7-8</td>
<td>05757</td>
<td>883</td>
</tr>
<tr>
<td>24</td>
<td>19</td>
<td>7-8</td>
<td>05778</td>
<td>883</td>
</tr>
<tr>
<td>34</td>
<td>19</td>
<td>7-8</td>
<td>05753</td>
<td>883</td>
</tr>
</tbody>
</table>

*B=0 → no panel required

**Made of steel**

- 2000 Pcs (05929)
- 1000 Pcs (05757)
- 500 Pcs (05778)
- 250 Pcs (05753)
System 5
Cams and Dowels
Angled Dowels

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

**Angled dowel**

> Technical and mounting details

**Distance x in mm**

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

Minimum ordered quantity may be required

650 Pcs
Made of steel or zinc
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 and Cam3000 products
- ‘Klix’ locking feature provides a strong, vibration proof joint
- Both ‘mushroom’ and countersunk headed versions available

<table>
<thead>
<tr>
<th>Mushroom dowel</th>
<th>A</th>
<th>B</th>
<th>D1</th>
<th>S</th>
<th>L</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>19</td>
<td>7-8</td>
<td>39.5</td>
<td>43.5</td>
<td>05609 →</td>
</tr>
<tr>
<td></td>
<td>34</td>
<td>19</td>
<td>7-8</td>
<td>49.5</td>
<td>53.5</td>
<td>*05611 →</td>
</tr>
</tbody>
</table>

"Available upon request"

Technical and mounting details

1000 Pcs Made of zinc
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

### Cam5000 cross drive

<table>
<thead>
<tr>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Drilling for dowel</th>
<th>Cam height</th>
<th>Made of zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>09695</td>
<td>12/13</td>
<td>10.5</td>
<td>6 min</td>
<td>9.9</td>
<td>885</td>
</tr>
<tr>
<td>09690</td>
<td>15/16</td>
<td>12.5</td>
<td>7.5-8</td>
<td>11.9</td>
<td>885</td>
</tr>
</tbody>
</table>

**PZ2 drive**

1000 Pcs Made of zinc

### Cam5000 hexagonal drive

<table>
<thead>
<tr>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Cam height</th>
<th>Made of zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>09699</td>
<td>15/16</td>
<td>12.5</td>
<td>11.9</td>
<td>885</td>
</tr>
<tr>
<td>09692</td>
<td>18/19</td>
<td>14</td>
<td>9.9-5.5</td>
<td>885</td>
</tr>
</tbody>
</table>

**Combined drive with HEX**

1000 Pcs Made of zinc

Cover caps → see page 41
## 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, and Quickfit™ TL4 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

<table>
<thead>
<tr>
<th>Cam3000</th>
<th>PZ2 drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>D</td>
</tr>
<tr>
<td>Panel thickness</td>
<td>Drilling depth</td>
</tr>
<tr>
<td>15/16</td>
<td>12.5</td>
</tr>
<tr>
<td>12/13</td>
<td>10.5</td>
</tr>
</tbody>
</table>

Black available upon request

<table>
<thead>
<tr>
<th>Cam3000</th>
<th>Combined drive with HEX</th>
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</thead>
<tbody>
<tr>
<td>B</td>
<td>D</td>
</tr>
<tr>
<td>Panel thickness</td>
<td>Drilling depth</td>
</tr>
<tr>
<td>15/16</td>
<td>12.5</td>
</tr>
<tr>
<td>18/19</td>
<td>14</td>
</tr>
</tbody>
</table>

Black available upon request

2000 Pcs Made of zinc
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

<table>
<thead>
<tr>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Drilling for dowel</th>
<th>Item number</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/13</td>
<td>10min</td>
<td>6-6.5</td>
<td>*05587</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>12/13</td>
<td>10.9</td>
<td>6-6.5</td>
<td>05653</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>15/16</td>
<td>12.7</td>
<td>7.5-8</td>
<td>05644</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>15/16</td>
<td>12.7</td>
<td>7.5-8</td>
<td>05654</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>18/19</td>
<td>14</td>
<td>9-9.5</td>
<td>05656</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>22/23</td>
<td>16</td>
<td>11-11.5</td>
<td>05657</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>25/26</td>
<td>17.9</td>
<td>12.5-13</td>
<td>05676</td>
<td>885</td>
<td></td>
</tr>
<tr>
<td>28/29</td>
<td>19.4</td>
<td>14-15.5</td>
<td>05678</td>
<td>885</td>
<td></td>
</tr>
</tbody>
</table>

*Ultraflat - specially designed for thin panels (does not work with TL dowels)

* Other finishes on request

1000 Pcs
Made of zinc
500 Pcs (05676, 05678)
2000 Pcs (05644, 05654, 05656)

Cover caps --> see page 41
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

Cam2000 Ø12

<table>
<thead>
<tr>
<th>Item number</th>
<th>B</th>
<th>D</th>
<th>e</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>05575</td>
<td>12/13</td>
<td>10 min</td>
<td>6-6.5</td>
<td>885</td>
</tr>
</tbody>
</table>

Other finishes on request

Cam2000 Ø12 headed

<table>
<thead>
<tr>
<th>Item number</th>
<th>B</th>
<th>D</th>
<th>e</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>05389</td>
<td>12</td>
<td>10 min</td>
<td>6</td>
<td>885</td>
</tr>
</tbody>
</table>

Other finishes on request

Made of zinc
System 6
Quickfit™ 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
- Angle drive feature on cam for maximum driving comfort
- Interchangeable pins for wood, plastic and steel applications
- Pins with Twinstart drive for fast insertion
- Interchangeable Quickfit™ dowel 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 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.
System Features

Outrigger/Non outrigger

Outrigger

Non outrigger

Angle drive feature

The angle drive feature on the cam allows for the angled position of the screwdriver with the locking action creating a tight and secure 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™ Dowels**

- For panel-to-panel and back-to-back applications
- Suitable for applications with all Titus Ø20 and/or Ø25mm System 6 housings
- Depth stop collar for accurate insertion

<table>
<thead>
<tr>
<th>Dowel Ø5</th>
<th>06408 →</th>
<th>880</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5 x 12.5</td>
<td>Made of zinc, plastic</td>
<td></td>
</tr>
<tr>
<td>5000 Pcs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ø5 x 7.5 back-to-back applications</th>
<th>06479 →</th>
<th>880</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5 x 7.5</td>
<td>Made of zinc, plastic</td>
<td></td>
</tr>
<tr>
<td>5000 Pcs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dowel Ø5</th>
<th>06401 →</th>
<th>885</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5 x C</td>
<td>Made of zinc or steel</td>
<td></td>
</tr>
<tr>
<td>5000 Pcs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dowel Ø5</th>
<th>06402 →</th>
<th>885 883</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5 x C</td>
<td>Made of zinc or steel</td>
<td></td>
</tr>
<tr>
<td>8</td>
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<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Dowel Ø5</th>
<th>06406 →</th>
<th>885 883</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5 x C</td>
<td>Made of zinc or steel</td>
<td></td>
</tr>
<tr>
<td>11.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Inserts**

- Made of plastic
- Twinstart thread 02182-846
- 10000 Pcs
System 6
Quickfit Connectors
Double-ended Dowels
End Dowels

· For 16mm, 18mm and 19mm board
· Suitable for applications with all Titus Ø20mm and/or Ø25mm System 6 housings

<table>
<thead>
<tr>
<th>Panel thickness</th>
<th>Item number</th>
<th>Zinc Plated Steel</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>06389 → 883</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>06412 → 885</td>
<td></td>
<td></td>
</tr>
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<td>19</td>
<td>06414 → 885</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>06415 → 885</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>06416 → 885</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Double-ended dowel
Made of steel

Double-ended dowel
Made of zinc

Double-ended dowel

End dowel
Made of zinc

2500 Pcs

2000 Pcs
## 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™ System 6 dowels

<table>
<thead>
<tr>
<th></th>
<th>e</th>
<th>B</th>
<th>D</th>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Item number</th>
<th>Panel thickness</th>
<th>Drilling depth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Side-entry</strong></td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>7.75</td>
<td>15/16</td>
<td>12.5</td>
<td>06381</td>
<td>Almond</td>
<td>Brown</td>
<td>Light grey</td>
<td>Black</td>
<td>White</td>
<td>Silver</td>
<td>Nickel plated</td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td>9.25</td>
<td>18/19</td>
<td>14</td>
<td>06385</td>
<td>Almond</td>
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<td>Black</td>
<td>White</td>
<td>Silver</td>
<td>Nickel plated</td>
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<tr>
<td><strong>Other colors on Request</strong></td>
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</tr>
<tr>
<td><strong>2500 Pcs</strong></td>
<td>Made of plastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

|                |      |     |     |             |                |               |             |                |               |             |                |               |             |                |               |
| **Drop-on**    |      |     |     |             |                |               |             |                |               |             |                |               |             |                |               |
|                | 7.75 | 15/16 | 12.5 | 06383       | Almond         | Brown         | Light grey   | Black          | White         | Silver       | Nickel plated  |                |             |                |               |
|                | 9.25 | 18/19 | 14   | 06387       | Almond         | Brown         | Light grey   | Black          | White         | Silver       | Nickel plated  |                |             |                |               |
| **Other colors on Request** | | | | | | | | | | | | | | | |
| **2500 Pcs**   | Made of plastic | | | | | | | | | | | | | | |

|                |      |     |     |             |                |               |             |                |               |             |                |               |             |                |               |
| **Drop-on**    |      |     |     |             |                |               |             |                |               |             |                |               |             |                |               |
|                | 7.75 | 15/16 | 12.5 | 06447       | Almond         | Brown         | Light grey   | Black          | White         | Silver       | Nickel plated  |                |             |                |               |
|                | 9.25 | 18/19 | 14   | 06449       | Almond         | Brown         | Light grey   | Black          | White         | Silver       | Nickel plated  |                |             |                |               |
| **500 Pcs**    | Made of zinc | | | | | | | | | | | | | | |

**2500 Pcs** Made of plastic

**500 Pcs** Made of zinc

→ see page 41

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**Cover caps**

Made of steel
**System 6**

**20mm Knock-in 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
- Compatible with all screw-in and Quickfit™ System 6 dowels

### Technical and mounting details

#### Side-entry

**Made of plastic**

<table>
<thead>
<tr>
<th>e</th>
<th>B</th>
<th>D</th>
<th>Item number</th>
<th>Color options</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.25</td>
<td>18/19</td>
<td>14</td>
<td><strong>06395</strong></td>
<td>841, 898, 835, 877</td>
</tr>
</tbody>
</table>

**Other colors on Request**

**1250 Pcs**

#### Drop-on

**Made of plastic**

<table>
<thead>
<tr>
<th>e</th>
<th>B</th>
<th>D</th>
<th>Item number</th>
<th>Color options</th>
</tr>
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<tbody>
<tr>
<td>7.75</td>
<td>15/16</td>
<td>12.5</td>
<td><strong>06439</strong></td>
<td>841, 898, 835, 877</td>
</tr>
<tr>
<td>9.25</td>
<td>18/19</td>
<td>14</td>
<td><strong>06397</strong></td>
<td>841, 898, 882, 835, 877, 861</td>
</tr>
</tbody>
</table>

**Other colors on Request**

**1250 Pcs**

#### Drop-on

**Made of zinc**

<table>
<thead>
<tr>
<th>e</th>
<th>B</th>
<th>D</th>
<th>Item number</th>
<th>Color options</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.75</td>
<td>12.5</td>
<td>06455</td>
<td>847</td>
<td></td>
</tr>
<tr>
<td>9.25</td>
<td>14</td>
<td>06457</td>
<td>847</td>
<td></td>
</tr>
</tbody>
</table>
System 6
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 colors
· 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

<table>
<thead>
<tr>
<th>Panel thickness</th>
<th>Drilling depth</th>
<th>Item number</th>
<th>White</th>
<th>Black</th>
<th>Dark brown</th>
</tr>
</thead>
<tbody>
<tr>
<td>15/16</td>
<td>12.5</td>
<td>06473</td>
<td>877</td>
<td>835</td>
<td>898</td>
</tr>
<tr>
<td>18/19</td>
<td>14</td>
<td>06465</td>
<td>877</td>
<td>835</td>
<td>898</td>
</tr>
</tbody>
</table>

For use with screw-in dowels

2500 Pcs
Made of plastic

For use with Quickfit™ dowels

2500 Pcs
Made of plastic

Made of plastic

Other colors on request
**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

**Cam Ø20**

<table>
<thead>
<tr>
<th>Panel thickness</th>
<th>Item number</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>05409</td>
<td>885</td>
</tr>
</tbody>
</table>

![Cam Ø20 diagram]

- Made of zinc
- 500 Pcs

**Dowel Ø7 Ø10 mm thread**

<table>
<thead>
<tr>
<th>Panel thickness</th>
<th>Item number</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 min</td>
<td>05410</td>
<td>885</td>
</tr>
</tbody>
</table>

![Dowel Ø7 Ø10 mm thread diagram]

- Made of zinc
- 500 Pcs
# System 7

## High Strength Connectors

Contract Fix™ System

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

<table>
<thead>
<tr>
<th>Technical and mounting details</th>
<th>Item number</th>
<th>Zinc Plated Steel</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M6 Dowel 7x34</strong></td>
<td>05971</td>
<td>883</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="M6 Dowel 7x34" /></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 Pcs Made of steel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Housing cylinder 15x12**    | 05960       | 885               |      |
| ![Housing cylinder 15x12](image) |             |                   |      |
| 1000 Pcs Made of zinc         |             |                   |      |

| **Grub screw**                | 05917       | 885               |      |
| ![Grub screw](image)          |             |                   |      |
| 2500 Pcs Made of zinc         |             |                   |      |

| **Inserts**                   | 408.3391.600| 5000 Pcs          |      |
| Made of zinc                  |             |                   |      |
## Accessories for Connectors

### Cover Caps

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

#### Cover cap Ø17

- **Item number:** 01029
- **Materials:**
  - Dark brown
  - Black
  - Light brown
  - White
  - Nickel frost

- **25000 Pcs**
- **Made of plastic**

- **Other colors on request**
- **Suitable for cams with Pozi 2 recess**

#### Cover cap Ø17

- **Item number:** 09630
- **For use with 09646 cam only**

- **25000 Pcs**
- **Made of plastic**

#### Cover caps for System 6

- **Item number:** 06936
- **1000 Pcs**
- **Made of steel**
**Vision**
The world's best engineering for precision components

**Mission**
To provide manufacturers with components’ solutions that improve competitiveness

**Titus Business Philosophies and Principles**
- Gain total knowledge of our customers and their markets
- Focus on identifying and creating high volume component niches
- Meet our customers’ expectations with global consistency
- Build long term associations with customers, suppliers, colleagues and shareholders
- Invest in the abilities of individuals at every level
- Continuously enhance input efficiency and sustainability

---

**Titus Group Strategy**

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**Furniture Hardware**
- Cabinet connectors
- Concealed hinges
- Soft closing systems
- Drawers and drawer systems
- Kitchen accessories
- Furniture locks
- Decorative

**Components**
- Dampers
- Precision components

**Technologies**
- Automation systems
- Precision castings
- Die cast technologies
- Tooling
- Ultrasound fastening technology
- FastFit technology

---

**Titusonic FastFit**
‘Totally Integrated Engineering’

Product Design
Design and engineering of unique components

Manufacturing Technologies
To improve productivity and product quality

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

Consistent and repeatable product quality
Fast time-to-market
Unique product advantages
Global player
Worldwide design, manufacturing and distribution capabilities

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