



Connectors

2019

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Responsibility

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.

*Non preferred articles

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.

Trademarks

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Connectors

Product Guide

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System 6

Quickfit™ Connectors
Fittings for face boring only

face boring connectors for
all cabinet applications.

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System 7

Heavy duty cams and dowels

high quality fittings for offices
and public furniture.

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Connectors

Information

Why Choose Titus?

Titus connectors add value to furniture and to furniture manufacturing	Titus connectors improve the quality of furniture and lower the cost of manufacturing and assembly while ensuring a high degree of customer satisfaction.	
The most advanced range of connectors available on the market	Precise and efficient product design. The broadest possible range of drilling tolerances ensures reliable assembly and consistently strong joints. Klix locking feature, the engagement of interlocking teeth on cam and dowel, to prevent joint loosening in service or transit. Expanding function provides degrees of variation in out-of-tolerance drillings ensuring stronger joints and improved quality of furniture. Twinstart thread for faster and more stable insertion. Depth stop collar prevents over-insertion. Firm tightening for greater confidence in use. Cam locks at 230° assuring smooth tightening action and greater dowel pull-up.	Quickfit™ for hand dowel insertion. Quickfit™ 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

CAF

Quick & Easy

Consumer Assembly Friendliness

Connectors

Information

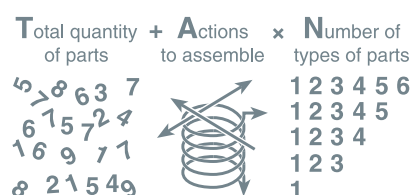
Easy and Quick Furniture Assembly

CAF formula

CAF=Consumer Assembly Friendliness

Titus CAF formula provides a comparative measure for customer satisfaction. By using it manufacturers are able to evaluate their products internally or against those of their

competitors. While offering consumers easier and faster assembly, there are obvious advantages also for furniture manufacturers – buying, counting, bagging and stocking of fittings can be greatly reduced.



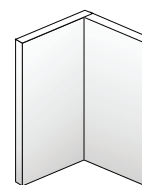
$$(T+A)N = CAF$$

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



	T	A	N	CAF
Connecting screw (traditional assembly)	4	38	3	126
Cam & Single start dowel	6	21	4	108
Cam & Twinstart dowel	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 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

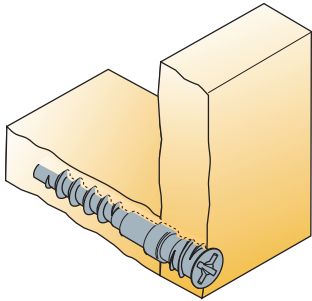
- Available in multiple colors
- All recess and head types offered
- High quality engineering polymers used in their construction
- Uniformity of holding with good tolerance
- Wide range of application and use conditions

System 1

Fittings for Rigid Assembly Systems

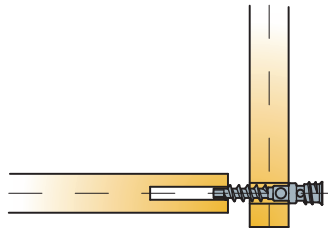
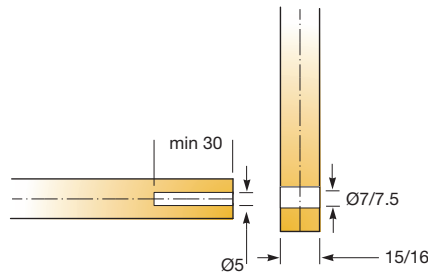
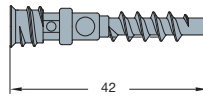
Double Locking Carcase Screw

- 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

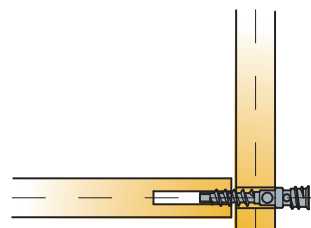


Technical and mounting details

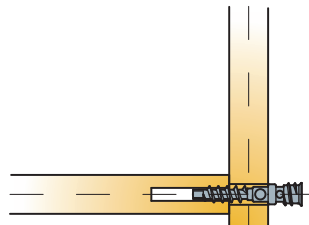
Screw
6x42



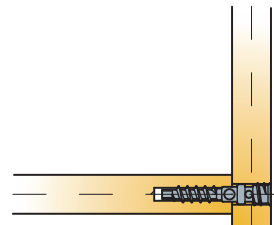
1. Insert screw to shoulder in face board



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

00180 →

Zinc

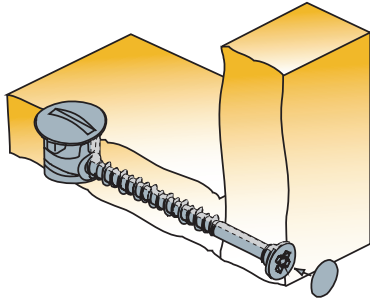
885

System 1

Fittings for Rigid Assembly Systems

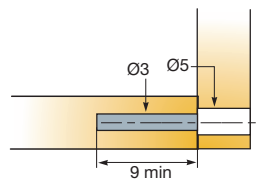
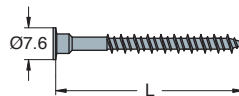
Hi-Lo™ Screw and Barrel Nut

- 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



Technical and mounting details

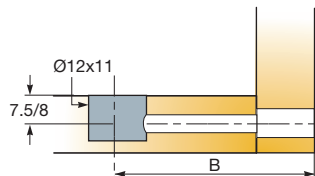
Hi-Lo™ screw



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

Made of steel

Barrel nut



- 10000 Pcs

Made of plastic

Screw cap



- 50000 Pcs

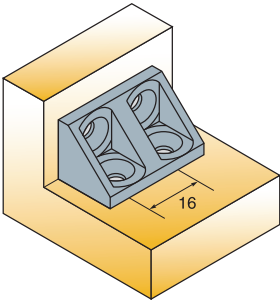
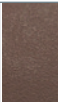



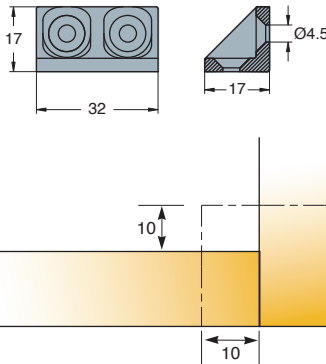

Made of plastic

Screw diameter	A1	L	Item number			
				Black	Phosphate	White
4	20	25	00062 →	852		
4	23	28	00068 →	852		
4	28	33	00071 →	852		
4	33	38	06074 →	852		
4	40	45	00077 →	852		
4	50	55	00172 →	852		
4	45	50	06077 →	852		
5	45	50	06080 →	852		
			01056 →	835	877	
Other colors on request						
pozi, philips			01020 →	835	877	
hexagon			01042 →	877		
Other colors on request						

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
		02077 →	877			
 2000 Pcs	Made of plastic					

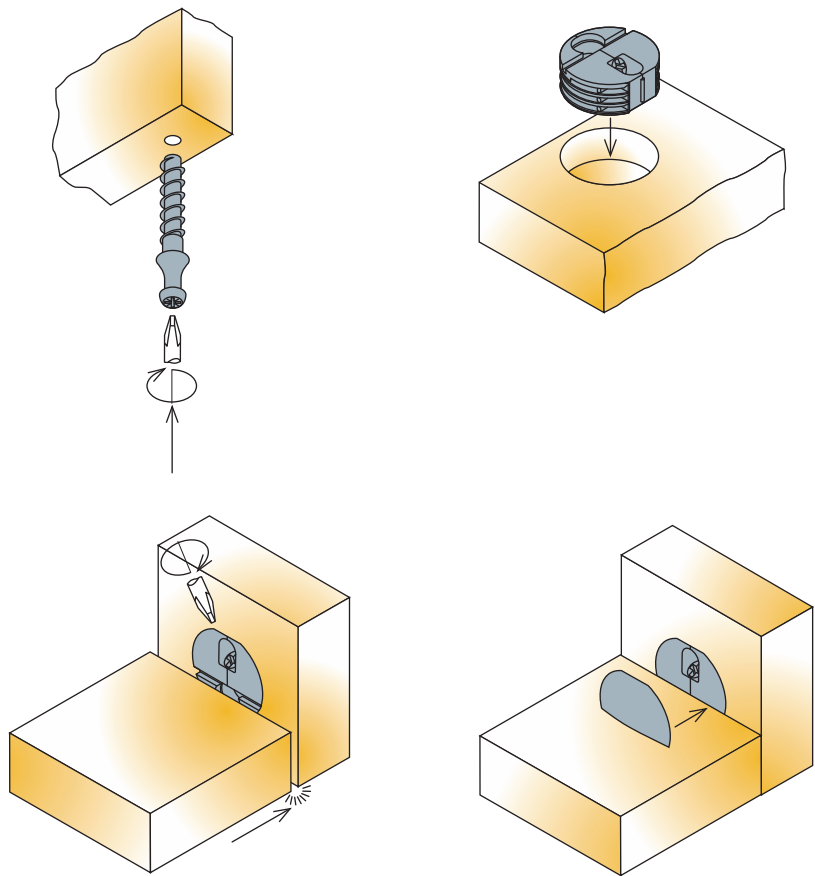
System 3

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

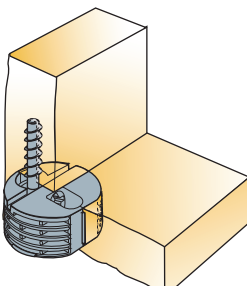





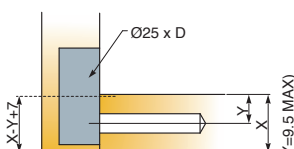

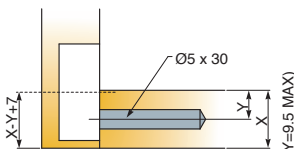

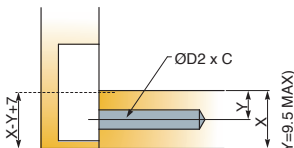


System 3

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

 <p>Technical and mounting details</p>		C	D	D2		   	
<p>Housing assembly</p>  <p>2500 Pcs</p> <p>Made of plastic or zinc, plastic</p>	 <p>X, Y - depends on board thickness</p>	12.5		03118 →	831	877	835
	Other colors on request						
<p>Screw dowel Ø5</p>  <p>1000 Pcs</p> <p>Made of steel</p>	 <p>X, Y - depends on board thickness</p>			03165 →	883		
<p>Screw dowel Ø3</p>  <p>2500 Pcs (03090)</p> <p>Made of steel</p>	 <p>X, Y - depends on board thickness</p>	25		3	03090	883	

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

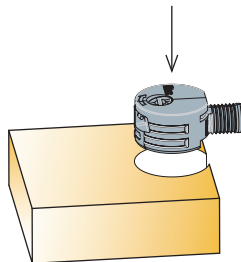
Quickloc™

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

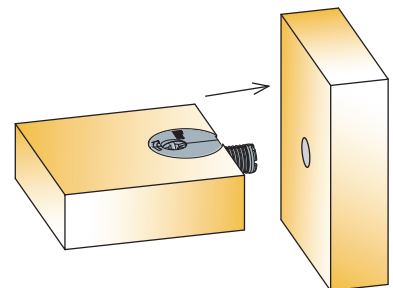
- High degree of drilling tolerance
- Push-in design
- Tool-free insertion
- Integrated expanding housing and dowel provide consistently stronger joints
- 'Klix' locking system

Quickloc™ Assembly

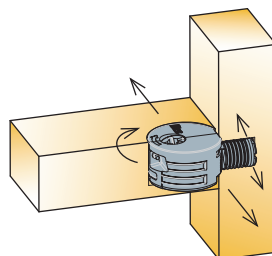
1. Press Quickloc™ into the face board



2. Assemble the panels



3. Tighten in less than one turn



System 4

Quickloc™

One Piece Expanding Connector

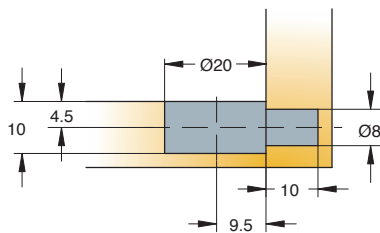
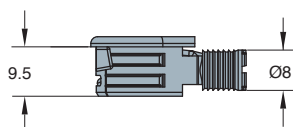
- An innovative, one-piece connector, capable of hand insertion
- Is highly tolerant and tightens in less than one turn
- Is a face-bored product
- Offers a high degree of drilling tolerance and is the only connector of its type to provide pull-up of cabinet panels when tightened



Technical and mounting details

Item number	White	Black	Dark brown	Tan
06803 →	877	835	831	871

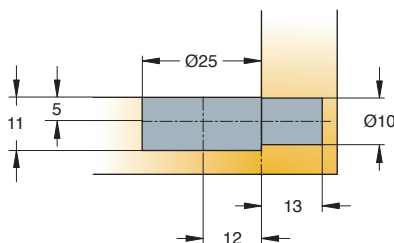
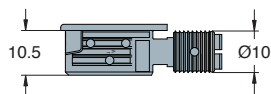
Quickloc™ Ø20 flanged



2500 Pcs

Made of zinc, plastic

Quickloc™ Ø25 flanged



1500 Pcs

Made of zinc, plastic

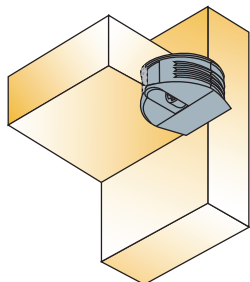
06802 → 877 835 831

System 4

Fittings for Face-Boring Only

Flushbloc™ / Flushfix™

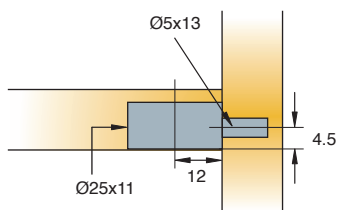
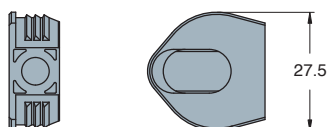
- The Angeldriv screw provides high level of tolerance
- Face drilling only required
- Corner joint and shelf fixing options



Technical and mounting details

Item number	Dark brown	White	Zinc	Black

Flushbloc™ assembly



02190 → 831 877 835

Other colors on request



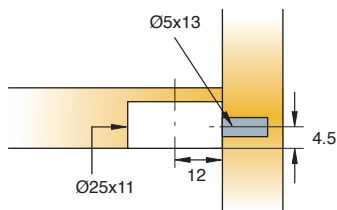
2500 Pcs

Made of zinc, plastic

Angeldriv screw for use with Flushfix™

flat head

00022 → 885



4000 Pcs (00022)

Made of zinc

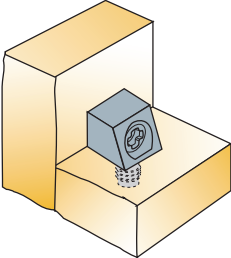
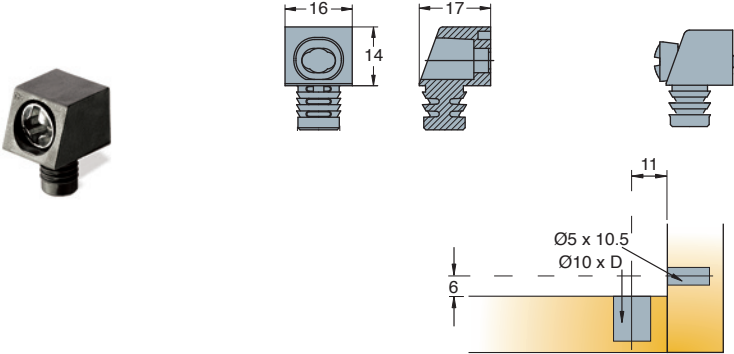
System 4

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

	D				
<div>Technical and mounting details</div> <div>Minibloc™</div> 	Drilling depth	Item number	Black	White	Dark brown
	11	*02120 →	835	877	831
	<div>* assembly with screw</div> <div>Other colors on request</div>				



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 pastic.

Dowels

- **Quickfit™ TL2, TL4 dowels**
a unique solution for
factory pre-insertion,
high level of drilling tolerances

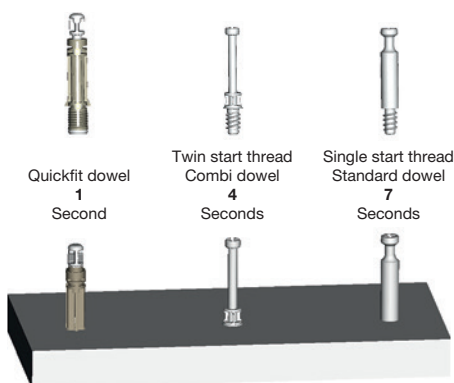
- **Quickfit™ dowels**
quick hand insertion, easy assembly
- **Diecast dowels (zinc)**
precise manufacturing, optimal
shape and design
- **Turned dowels (steel)**
'traditional' design, smooth surface,
best strength performance
- **Combi dowels (zinc and steel)**
high precision of zinc, strength of
steel,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

Titus Klix™

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

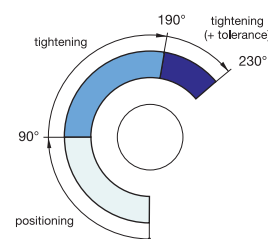
- vibration-proof joint
- rigid construction that will not loosen
is service or transit

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.



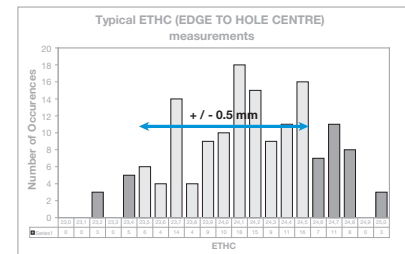
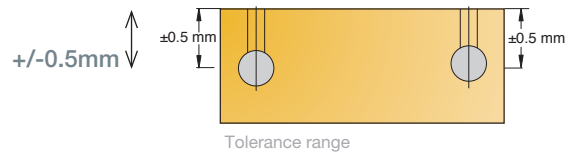
System 5 Cams and Dowels

System Features

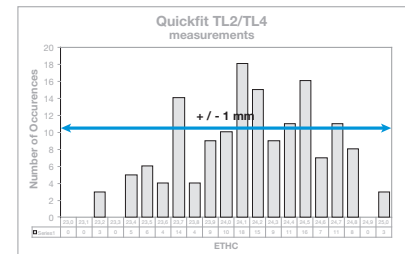
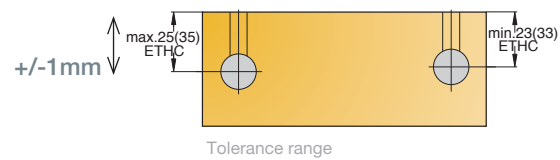
Drilling tolerances

Optimal performance and perfect joint even with inaccurate drilling.

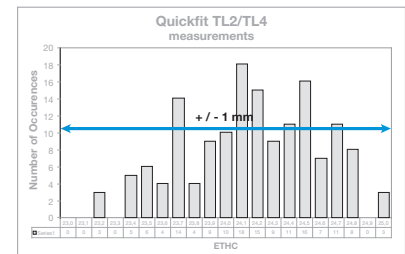
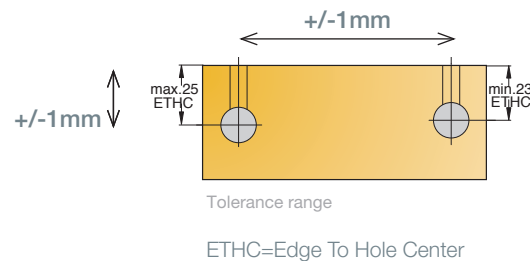
Zinc/Combi dowel



Quickfit™ TL2 dowel



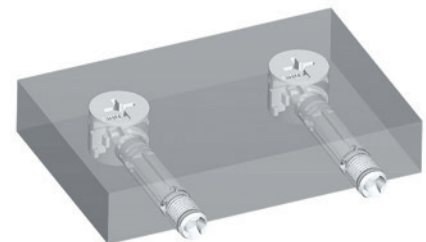
Quickfit™ TL4 dowel



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



System 5

Cams and Dowels

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.

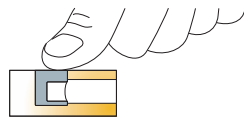
Drilling tolerances

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

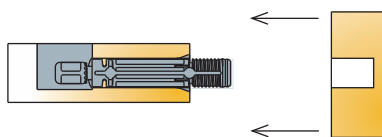
Quickfit™ TL provides a tolerance of $\pm 1/-1\text{mm}$ on drilling operation while ensuring that the final result is a perfectly precise and aligned joint. No other assembly fittings system can offer such tolerances and still maintain a perfect joint.

Assembly

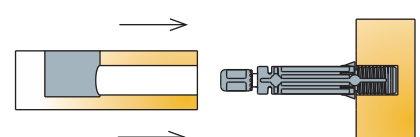
1. Press the cam into face board



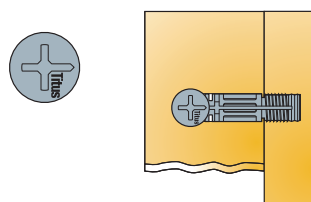
2a. Either push dowel into edge hole or...



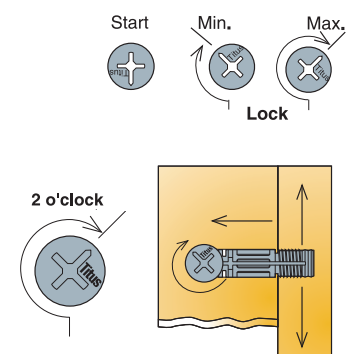
2b. Insert the dowel into side panel



3. Assemble the panels



4. Tighten cam to lock dowel



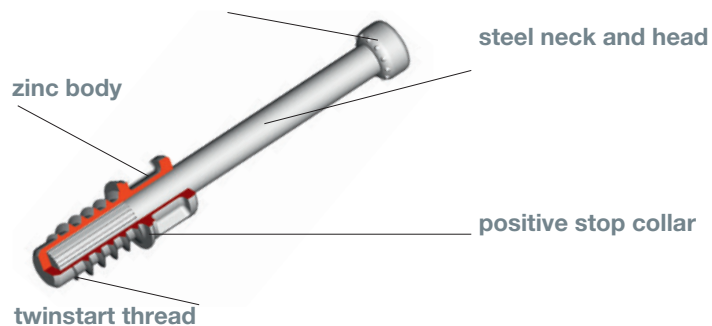
System 5 Cams and Dowels

Zinc+Steel Combi Dowels

Zinc+steel technology for optimal strength and performance

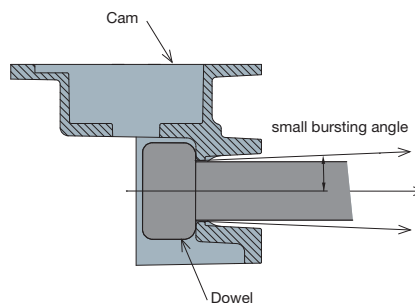
The Combi dowel combines steel and a small amount of zinc to ensure high precision and dimensional accuracy, essential to provide furniture manufacturers with the broadest possible range of drilling tolerances.

toroidal head form

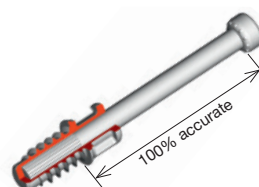


The steel neck and head provide better resistance to torsion and pull-out enabling a high performance joint

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.



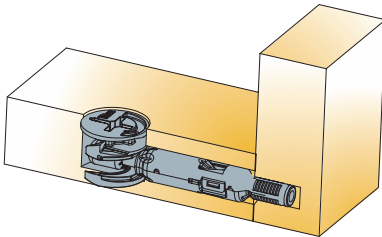

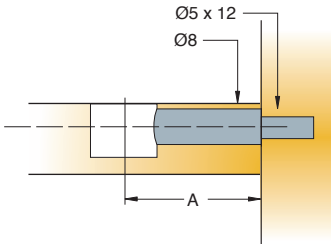
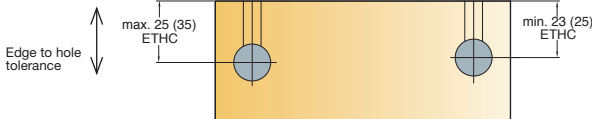

100% dimensional accuracy assured


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

	Technical details	Drilling distance	Item number	Zinc corrosil
	  Tolerance range	34	09652 →	897
		24	09651 →	897
		 To be used with Cam5000 only		

 2000 Pcs

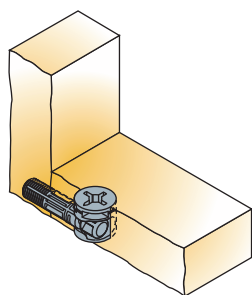
Made of steel

System 5

Cams and Dowels

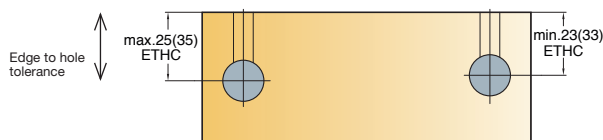
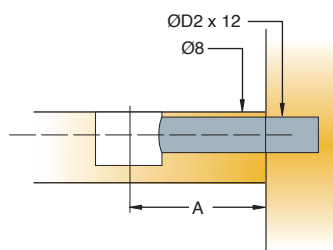
Quickfit™-TL Dowels

- 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



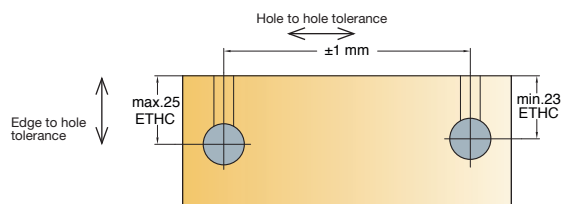
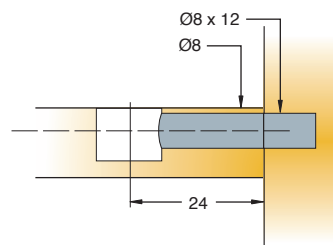
2000 Pcs

1000 Pcs (05474)

Made of zinc, plastic

Tolerance range

Quickfit™-TL4



3000 Pcs

Made of zinc, plastic

Tolerance range

A	D2	Item number	Dark grey	Black
Drilling distance	Drilling diameter for dowel thread			
24	5	05453 →	880	
34	5	05503 →	880	
24	8	05441 →	880	
34	8	05474 →	880	
24	8	05388 →		835

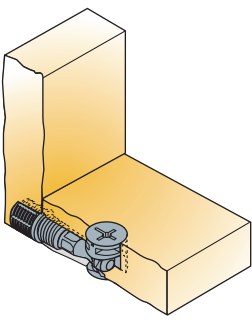
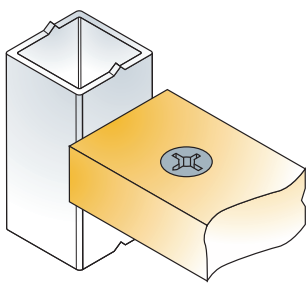

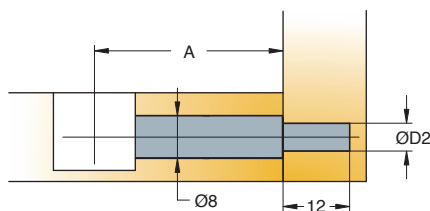
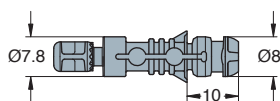

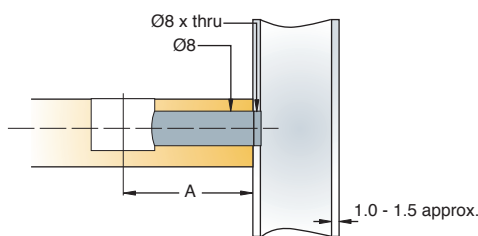
System 5

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

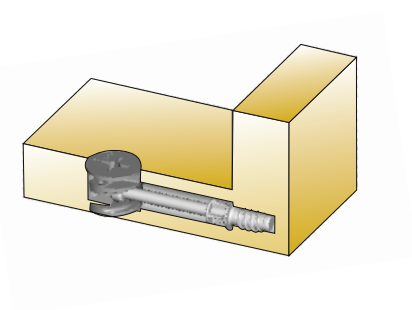
		A	D2			
		Drilling distance	Drilling diameter for dowel thread	Item number	Dark grey	Black
						
		Technical and mounting details				
Quickfit™ dowels		24	8	05563 →	880	
		24	10	05570 →	880	
		34	10	05129 →	880	
						
						
2000 Pcs 1500 Pcs (05129) Made of zinc, plastic						
Quickfit™ - P2F						
						
						
2000 Pcs Made of zinc, plastic						
		24	8	05414 →	835	

System 5

Cams and Dowels

Combi Dowel

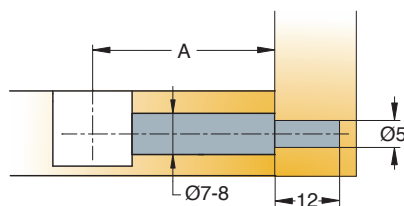
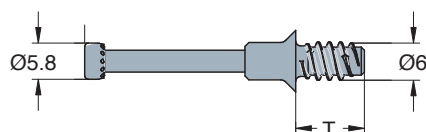
- High quality zinc-steel dowel with greater resistance to torsion and pull-out
- Suitable for use with all Ø12mm and Ø15mm Cam2000 and Cam3000 products
- 'Klix' locking feature provides a strong, vibration proof joint
- Twinstart thread for faster and reliable insertion



Technical and mounting details

Combi dowel

Philips PH2 head 



2000 Pcs

Made of steel and zinc



Inserts
Made of plastic

twinstart thread

02182-846



10000 Pcs

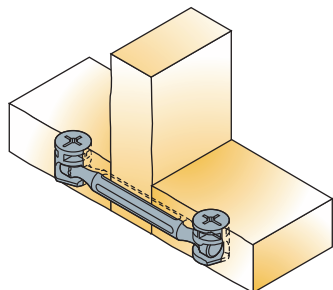
A	T		
Drilling distance	Thread length	Item number	Zinc
34	11	09424 →	885
24	11	09423 →	885
34	8.5	09456 →	885

System 5

Cams and Dowels

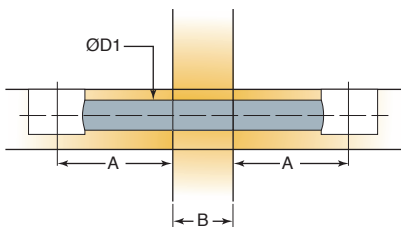
Double-ended Dowel


- 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

Dowel without circlip



 2000 Pcs (05929)
 1000 Pcs (05757)
 500 Pcs (05778)
 250 Pcs (05753)

Made of steel

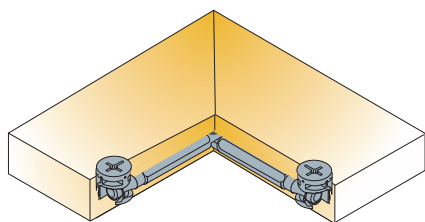
A	B	D1	Item number	Zinc Plated Steel
Drilling distance	Panel thickness	Drilling diameter for dowel body		
24	0*	7-8	05929 →	883
34	0*	7-8	05757 →	883
24	19	7-8	05778 →	883
34	19	7-8	05753 →	883
*B=0 → no panel required				

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°



Technical and mounting details

Item number

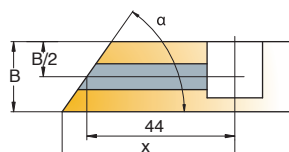
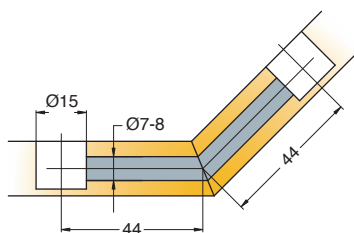
Zinc Plated Steel

Angled dowel

05860 →

883

Minimum ordered quantity may be required



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

650 Pcs

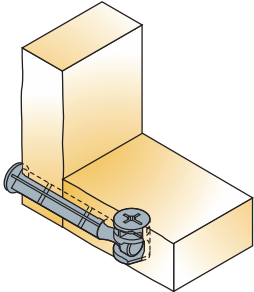

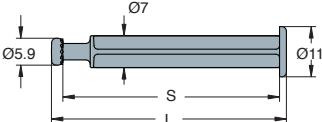
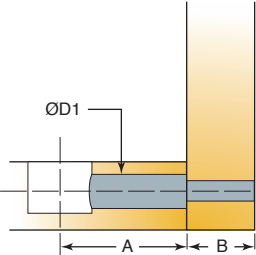

Made of steel or zinc

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

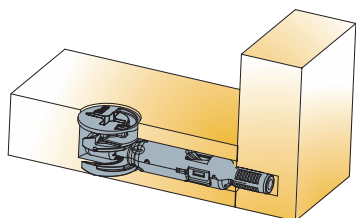
<div>  <div>Technical and mounting details</div> </div>		A	B	D1	S	L	
		Drilling distance	Panel thickness	Drilling diameter for dowel body	Length	Total length	Item number
<div> Mushroom dowel <div>    </div> </div> <div>  1000 Pcs <div>Made of zinc</div> </div>		24	19	7-8	39.5	43.5	05609 →
		34	19	7-8	49.5	53.5	*05611 →
		*Available upon request					

System 5

Cams and Dowels

Ø15mm Cam5000

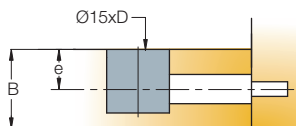
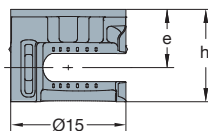
- Improved central shape for highly resistant joint
- Suitable for use with all Titus dowels
- 'Klix' locking feature provides a strong, vibration proof joint
- Cam retaining pips ensure that cam is held in panel position prior to assembly



Technical and mounting details

Cam5000
cross drive

PZ2 drive

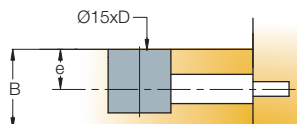
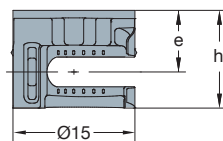


1000 Pcs

Made of zinc

Cam5000
hexagonal drive

Combined drive with HEX



1000 Pcs

Made of zinc

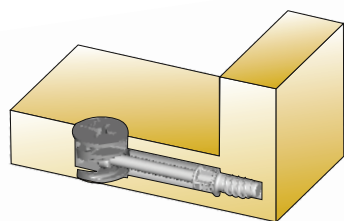
B	D	e	h		
Panel thickness	Drilling depth	Drilling for dowel	Cam height	Item number	Zinc
12/13	10.5	6 min	9.9	09695 →	885
15/16	12.5	7.5-8	11.9	09690 →	885
15/16	12.5	7.5-8	11.9	09699 →	885
18/19	14	9-9.5	13.2	09692 →	885

System 5

Cams and Dowels

Ø15mm Cam3000

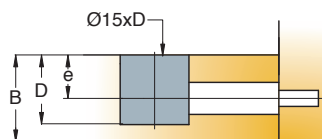
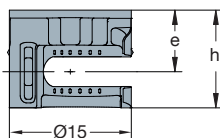
- Its optimised shape provides a more efficient cam profile with smooth tightening action and greater dowel pull-up
- Suitable for use with Combi dowels, forged steel dowels, and Quickfit™ TL4 dowels
- 'Klix' locking feature provides a strong, vibration proof joint
- Cam-retaining pips ensure that a cam is held in panel position prior to assembly



Technical and mounting details

Cam3000

PZ2 drive

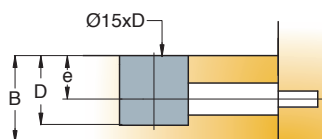
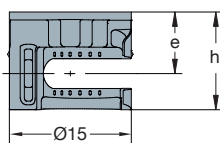


2000 Pcs

Made of zinc

Cam3000

Combined drive with HEX



2000 Pcs

Made of zinc

B	D	e	h		
Panel thickness	Drilling depth	Drilling for dowel	Cam height	Item number	Zinc
15/16	12.5	7.5-8	11.9	09533 →	885
12/13	10.5	6 min	9.9	09495 →	885
Black available upon request					
15/16	12.5	7.5-8	11.9	09537 →	885
18/19	14	9-9.5	13.2	09536 →	885
Black available upon request					

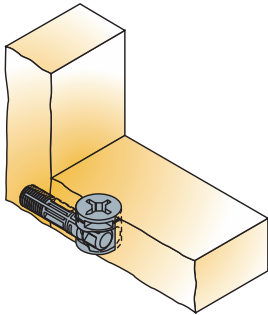
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System 5

Cams and Dowels

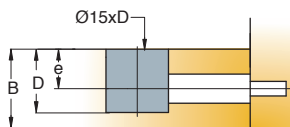
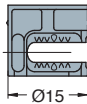
Ø15mm Cam2000

- 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



Technical and mounting details

Cam2000
Ø15



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

Other finishes on request

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



1000 Pcs

500 Pcs (05676, 05678)

2000 Pcs (05644, 05654, 05656)

Made of zinc



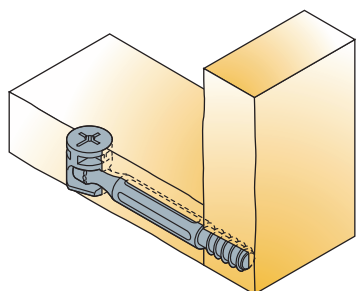
Headed Cam2000 available upon request

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



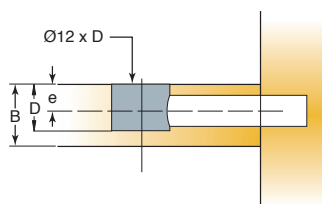
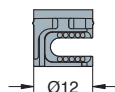
Technical and mounting details

Cam2000
Ø12



B	D	e		
Panel thickness	Drilling depth	Drilling for dowel	Item number	Zinc
12/13	10 min	6-6.5	05575 →	885

Other finishes on request

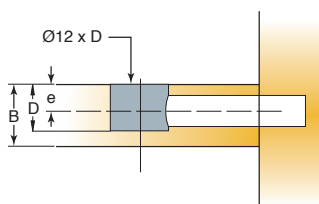
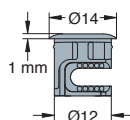


Cam2000
Ø12 headed



12	10 min	6	05389 →	885
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Other finishes on request



2000 Pcs

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.

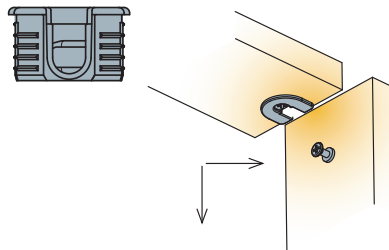
Wedgefix-6 connector is a special fastener without cam, simply to snap onto a pre-inserted dowel.

Applications

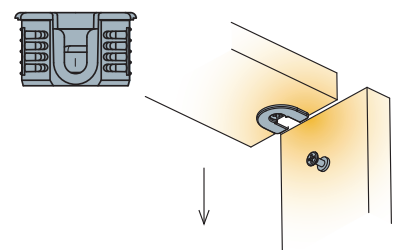
Titus System 6 is ideal for use in high volume production of case goods, closet and garage storage systems. Because no edge boring is required, it is an excellent choice for manufacturing environments with limited drilling capacity.

Side-entry Drop-on

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



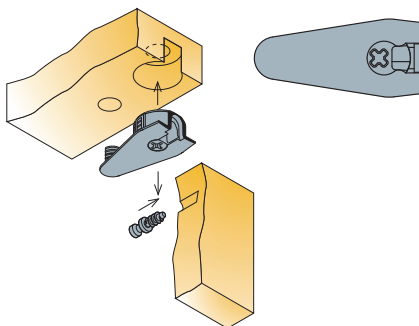
Drop-on insertion of shelf panel:
only from the top
Using drop-on connections allows
for one-man installation



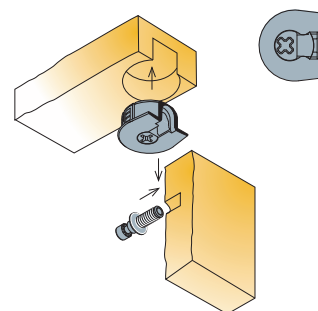
System Features

Outrigger/ Non outrigger

Outrigger

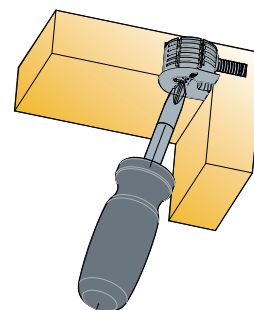


Non outrigger



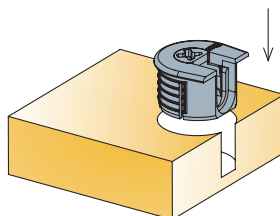
Angle drive feature

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.

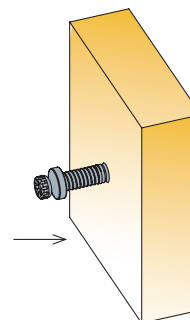


Assembly

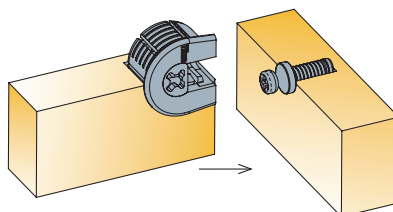
1. Press the housing into face board



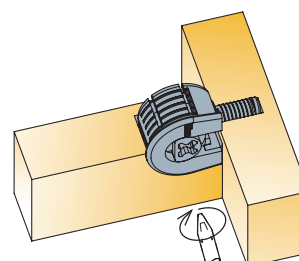
2. Press the dowel into side panel



3. Assemble the panels



4. Tighten the joint

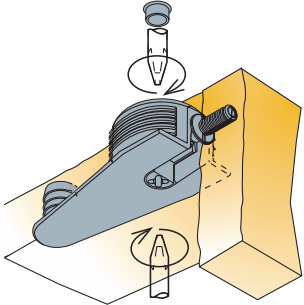

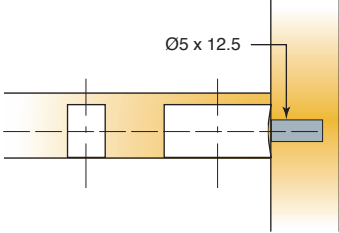


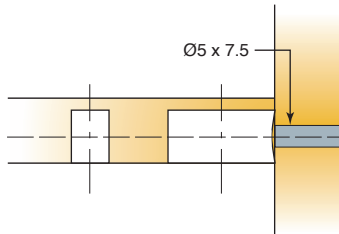


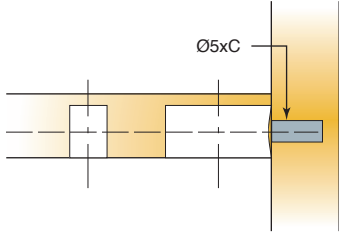




System 6

Quickfit™ Dowels

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

		C			
Technical and mounting details		Drilling length for dowel thread	Item number	Zinc	Zinc Plated Steel
					
Dowel Ø5  			06408 →		880
 5000 Pcs Made of zinc, plastic					
Ø5 x 7.5 back-to-back applications  			06479 →		880
 5000 Pcs Made of zinc, plastic					
Dowel  					
 5000 Pcs Made of zinc or steel					
		9	06401 →	885	
		8	06402 →	885	883
		11.5	06406 →	885	883

 Inserts
Made of plastic

Twinstart thread

02182-846
 10000 Pcs

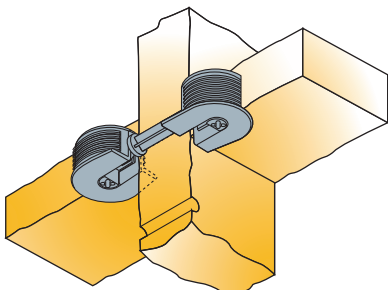
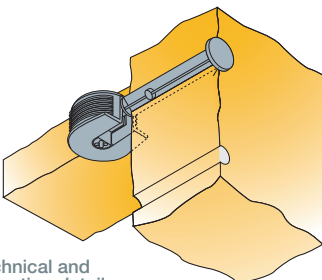

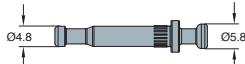
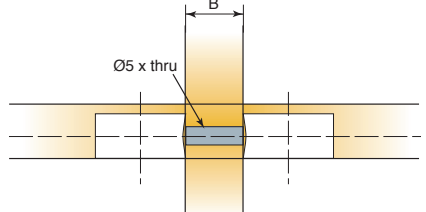


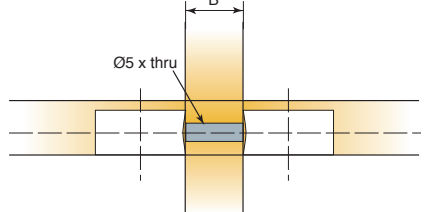

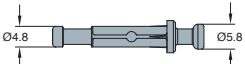
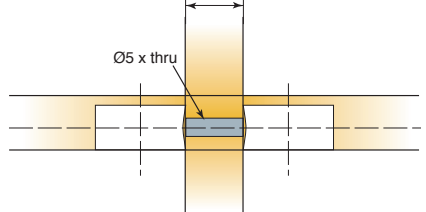

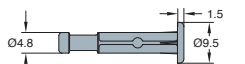
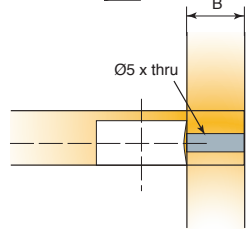
System 6

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

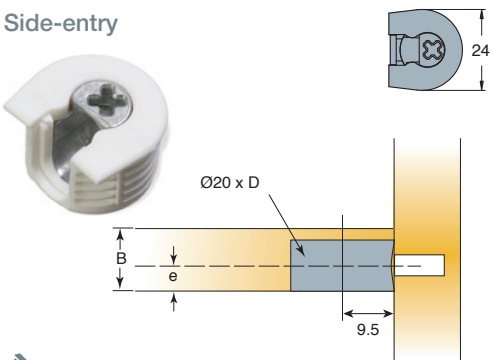
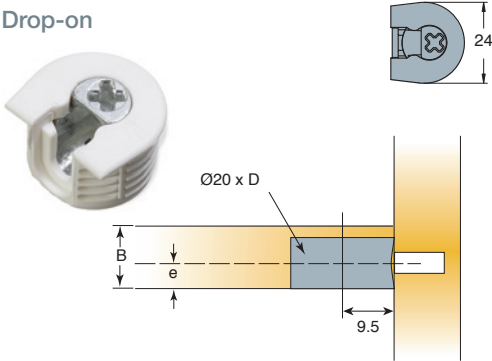
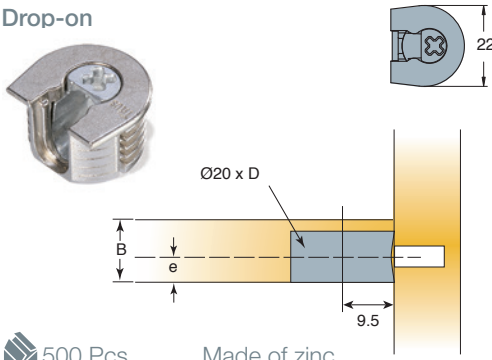
		B	Panel thickness	Item number	Zinc Plated Steel	Zinc
  <p>Technical and mounting details</p>						
Double-ended dowel	 <p>Made of steel</p>	 	19	06389 → 883		
Double-ended dowel	 <p>Made of zinc</p>	 	19	06484 → 885		
Double-ended dowel	 <p>2500 Pcs Made of zinc</p>	 	16 19	06414 → 06416 →	885 885	
End dowel	 <p>2000 Pcs Made of zinc</p>	 	16 19	06412 → 06415 →	885 885	

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

Technical and mounting details			e	B	D	Item number	Almond	Brown	Light grey	Black	White	Silver	Nickel plated
				Panel thickness	Drilling depth								
Side-entry			7.75	15/16	12.5	06381 →	841	898		835	877	861	
			9.25	18/19	14	06385 →	841	898		835	877		
 <p>2500 Pcs Made of plastic</p>			Other colors on Request										
Drop-on			7.75	15/16	12.5	06383 →	841	898	882	835	877		
			9.25	18/19	14	06387 →	841	898	882	835	877	861	
 <p>2500 Pcs Made of plastic</p>			Other colors on Request										
Drop-on			7.75	15/16	12.5	06447 →							847
			9.25	18/19	14	06449 →							847
 <p>500 Pcs Made of zinc</p>													

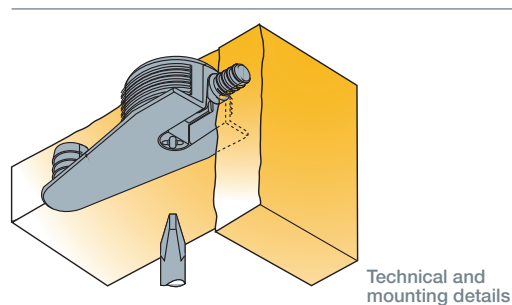
 Cover caps
Made of steel

→ see page 41

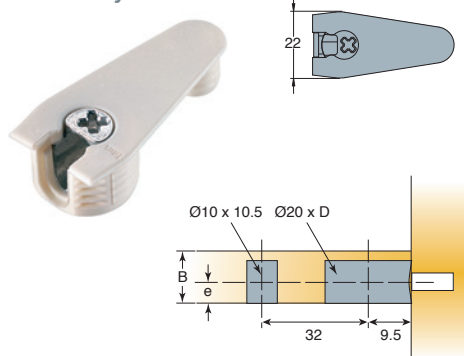
System 6

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



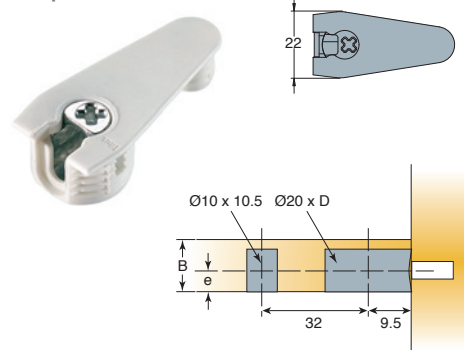
Side-entry



1250 Pcs

Made of plastic

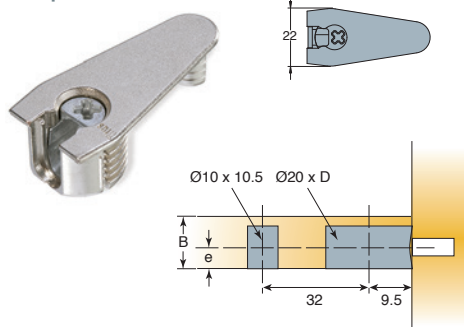
Drop-on



1250 Pcs

Made of plastic

Drop-on



500 Pcs

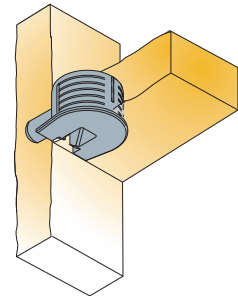
Made of zinc

e	B	D	Item number	Almond	Brown	Light grey	Black	White	Silver	Nickel plated
9.25	18/19	14	06395 →	841	898		835	877		
Other colors on Request										
7.75	15/16	12.5	06439 →	841	898		835	877		
9.25	18/19	14	06397 →	841	898	882	835	877	861	
Other colors on Request										
7.75		12.5	06455 →							847
9.25		14	06457 →							847

System 6

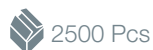
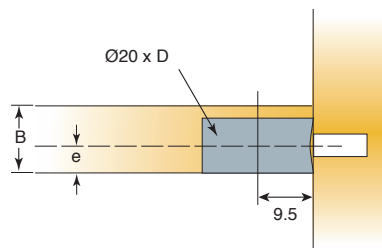
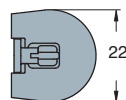
Wedgefix Housing (no Inner Cam)

- 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



Technical and mounting details

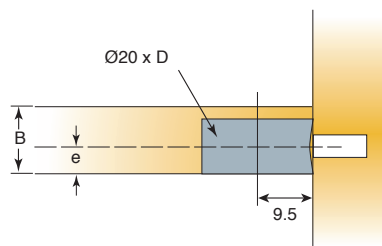
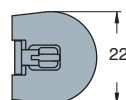
For use with
screw-in
dowels



2500 Pcs

Made of plastic

For use with
Quickfit™
dowels



2500 Pcs

Made of plastic

B	D				
Panel thickness	Drilling depth	Item number	White	Black	Dark brown
15/16	12.5	06473 →	877	835	898
18/19	14	06465 →	877	835	898

Other colors on request

15/16	12.5	06471 →	877	835	898
18/19	14	06472 →	877	835	898

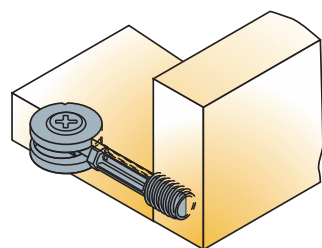
Other colors on request

System 7

Heavy Duty Ø20mm

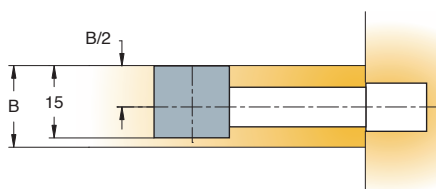
Cam and Dowel

- 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

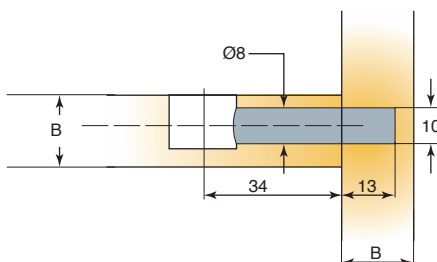
Cam Ø20



500 Pcs

Made of zinc

Dowel Ø7
Ø10 mm thread



500 Pcs

Made of zinc

B

Panel thickness

Item number

Zinc

18

05409 →

885

18 min

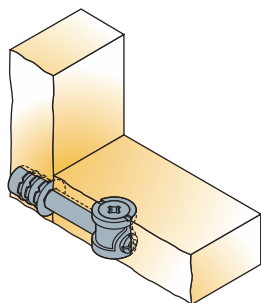
05410 →

885

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

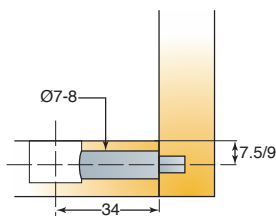
Zinc Plated Steel

Zinc

M6 Dowel 7x34

05971 →

883



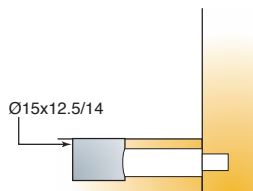
1000 Pcs

Made of steel

Housing
cylinder
15x12

05960 →

885



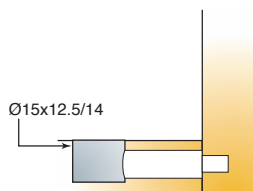
1000 Pcs

Made of zinc

Grub screw

05917 →

885



2500 Pcs

Made of zinc

Inserts
Made of zinc

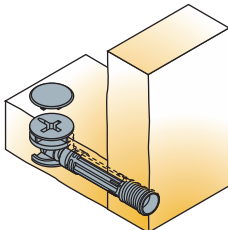






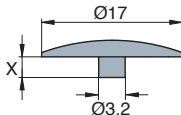


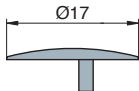


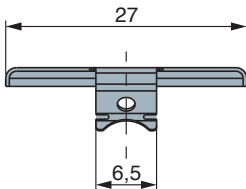

408.3391.600

5000 Pcs

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

	Technical and mounting details	X						
		Item number		Dark brown	Black	Light brown	White	Nickel frost
Cover cap Ø17		3.3	01029 →	831	835	867	877	
			Other colors on request Suitable for cams with Pozi 2 recess					
 25000 Pcs	Made of plastic							
Cover cap Ø17			09630 →	831	835	877		
			For use with 09646 cam only					
 25000 Pcs	Made of plastic							
Cover caps for System 6			06936 →					896
								
 1000 Pcs	Made of steel							

Titus Group Strategy

Vision

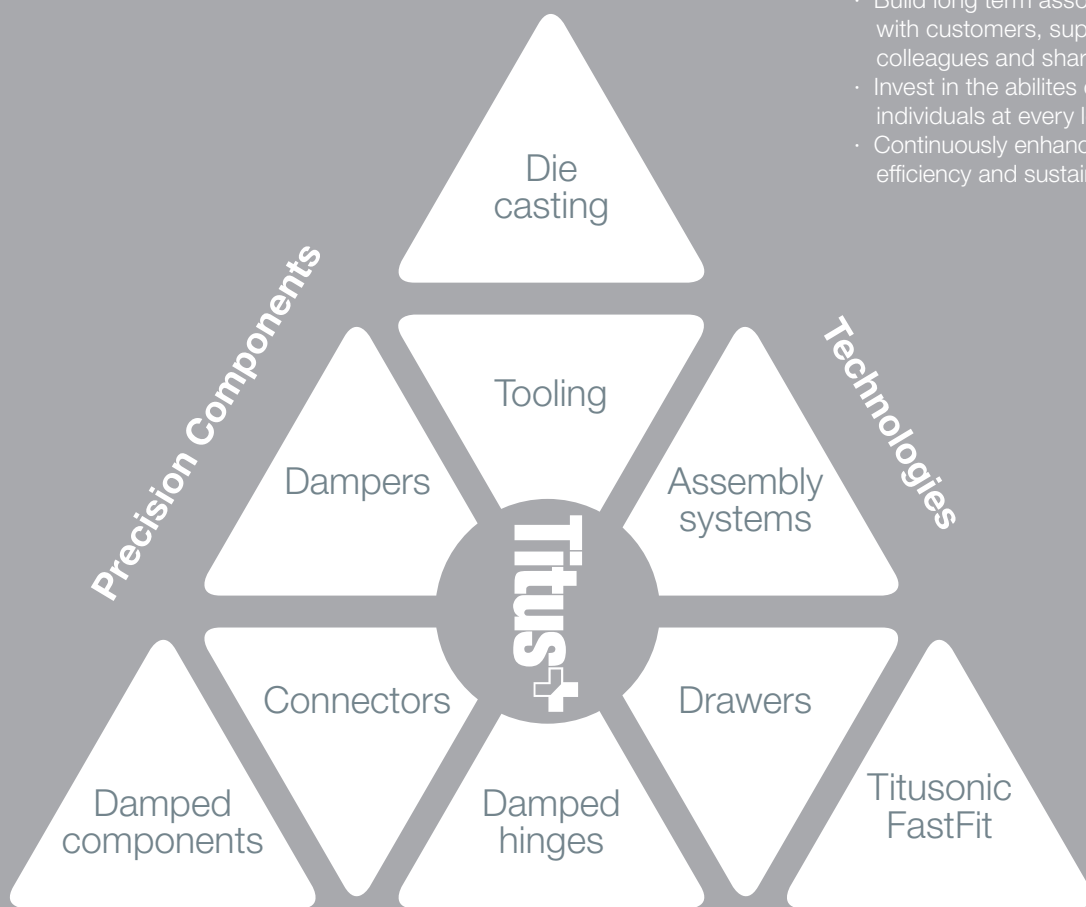
The world's best engineering for precision components

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



Furniture Hardware

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

'Totally Integrated Engineering'

Product Design

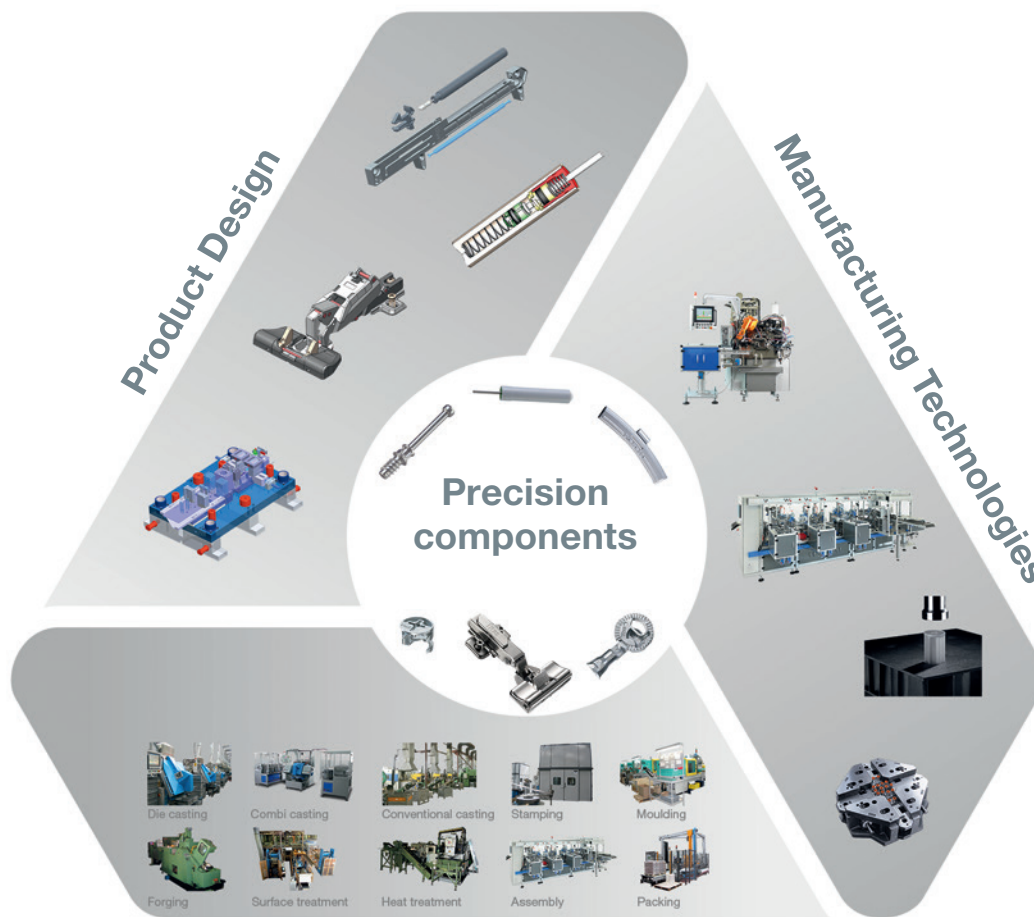
Design and engineering of unique components

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



Manufacturing Operations

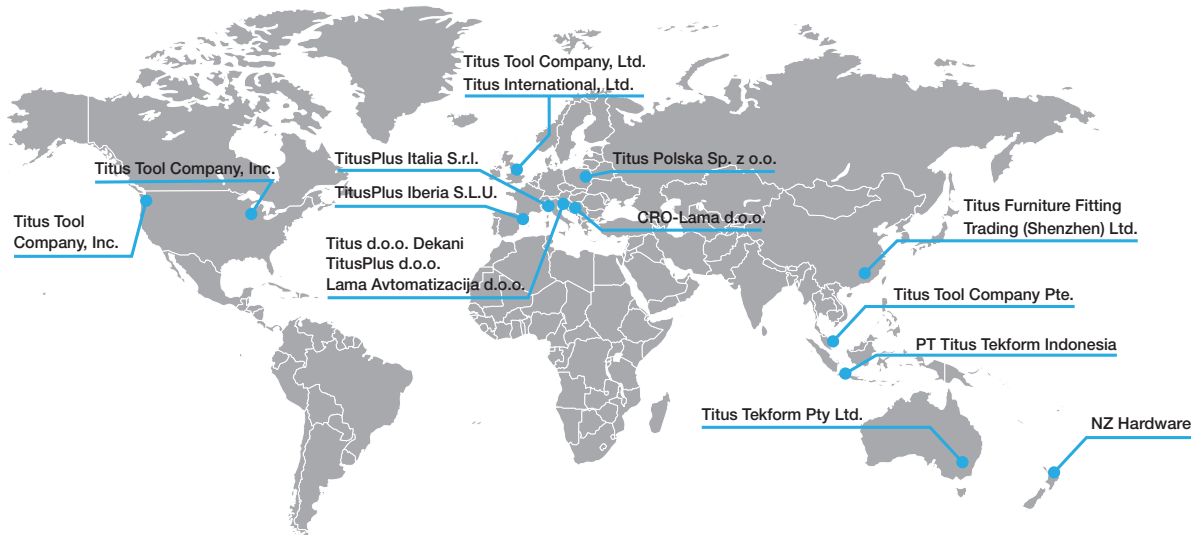
Consistent and repeatable product quality

Fast time-to-market

Unique product advantages

Global player

Worldwide design, manufacturing and distribution capabilities



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