

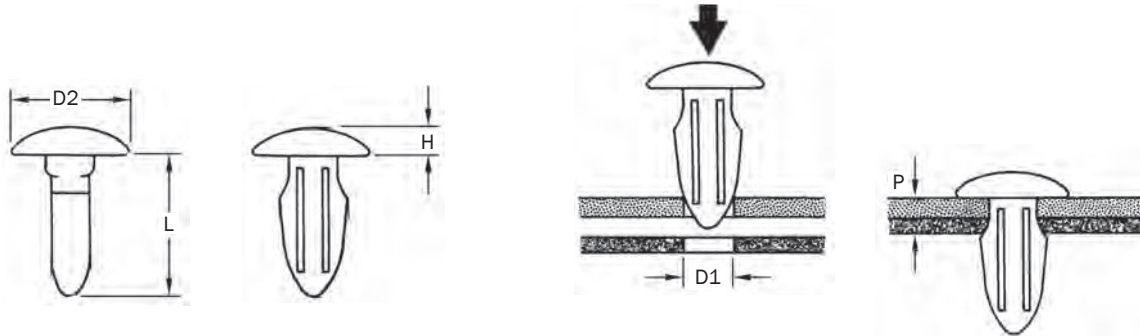
## W Buttons



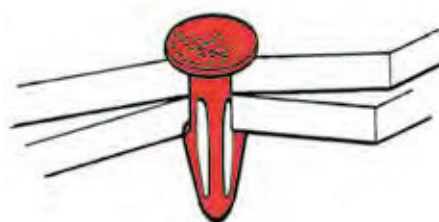
W Button fasteners are designed to secure sheet materials to secondary panels and can also be used to hold components to panels. The button is pushed through the aligning panel holes, contracting on entry and then relaxing to secure the two panels firmly together.

Typical applications include motor vehicles, domestic appliances, furniture, aerospace and caravans.

**Material** - Acetal.  
**Typical Colours** - Black, Natural.



D1	P	L	D2	H	Head	Part Number
2.7	0.8 - 3.6	12.3	7.9	1.3	Plain	<b>WBU014</b>
3.0	4.3	11.2	4.6	1.8	Plain	<b>WBU032</b>
3.2	1.8	8.4	9.5	1.6	Plain	<b>WBU030</b>
3.2	1.8	8.4	7.1	1.6	Plain	<b>WBU042</b>
3.2	3.0	9.7	4.6	1.8	Plain	<b>WBU034</b>
3.2	3.0	9.7	7.1	1.8	Matt	<b>WBU041</b>
3.5	0.9 - 4.0	11.1	10.3	2.5	Plain	<b>WBU004</b>
3.5	2.9 - 6.5	10.7	9.1	2.3	Plain	<b>WBU043</b>
3.8 - 4.1	1.6 - 3.2	9.7	6.9	1.3	Plain	<b>WBU044</b>
3.8 - 4.1	1.6 - 3.2	9.9	9.4	1.5	Plain	<b>WBU045</b>
3.8 - 4.1	3.2 - 4.8	11.4	6.9	1.3	Plain	<b>WBU046</b>
4.6 - 4.9	1.6 - 3.2	11.4	9.4	1.5	Plain	<b>WBU047</b>
4.6 - 4.9	3.2 - 4.8	13.0	9.4	1.5	Plain	<b>WBU048</b>
4.8	0.8 - 4.0	11.1	9.5	1.5	Plain	<b>WBU003</b>
5.0	4.9	11.5	9.4	1.5	Plain	<b>WBU049</b>
5.4 - 5.6	1.6 - 3.2	12.2	9.4	1.5	Plain	<b>WBU050</b>
6.0	4.5	12.0	15.8	1.5	Grained	<b>WBU037</b>
6.0 - 6.25	3.2 - 3.7	8.0	14.0	2.2	Matt	<b>WBU058</b>
6.2	1.5 - 4.0	13.5	12.0	1.5	Plain	<b>WBU057</b>
6.2 - 6.5	1.6 - 3.2	13.7	12.5	1.5	Plain	<b>WBU051</b>
6.9 - 7.1	0.8 - 5.9	17.0	14.0	2.0	Plain	<b>WBU016</b>
8.2	1.0 - 4.0	17.0	12.9	1.5	Grained	<b>WBU055</b>
8.4 - 8.6	2.0 - 4.5	15.6	18.0	2.5	-	<b>WBU028</b>



## Fir Tree Buttons - Continued on page 99



This range of push-in Fir Tree Button fasteners is designed to secure board, rubber or other soft sheet materials to secondary panels or for holding components to panels. Simple and quick to install, the button contracts on entry and then relaxes to secure the two panels.

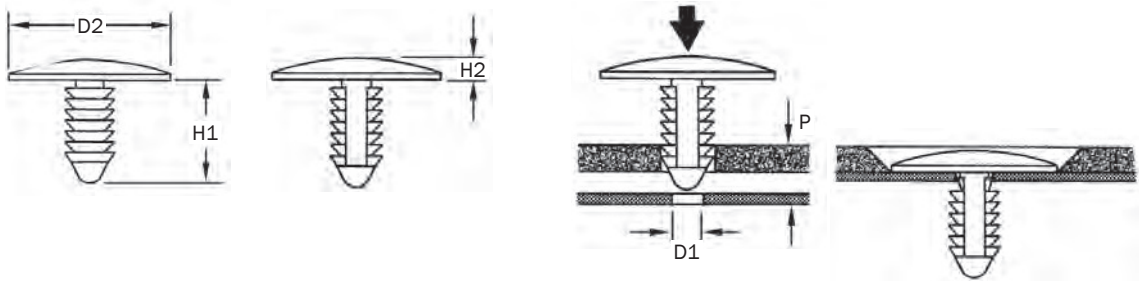
Fir Tree Buttons are used extensively to secure trims in the automotive industry and have many other applications in domestic appliances and electrical equipment.

Typical applications include motor vehicles, domestic appliances, caravans, office and upholstered furniture.

**Material** - Nylon.

**Typical Colours** - Black, Grey.

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D1	P	D2	H1	H2	Head	Part Number
3.0	1.8 - 5.0	5.5	9.8	1.5	Plain	<b>FTB139</b>
3.0	4.0 - 12.0	5.5	16.8	1.5	Plain	<b>FTB145</b>
3.5	0.8 - 5.0	9.1	9.5	1.5	Matt	<b>FTB045</b>
4.0	0.8 - 5.9	9.1	11.0	1.5	Matt	<b>FTB046</b>
4.8	0.8 - 2.6	10.9	9.5	1.8	Plain	<b>FTB047</b>
4.8	0.8 - 7.9	8.5	12.2	1.3	Plain	<b>FTB072</b>
4.8	0.8 - 7.9	11.1	12.2	1.0	Plain	<b>FTB035</b>
4.8	0.8 - 7.9	19.0	12.2	2.5	Plain	<b>FTB048</b>
4.8	0.8 - 13.0	11.1	17.3	1.8	Matt	<b>FTB049</b>
4.8	0.9 - 7.9	11.1	12.2	1.8	Plain	<b>FTB050</b>
5.0	1.2 - 6.0	16.0	11.0	2.0	Matt	<b>FTB064</b>
5.0	1.5 - 11.0	11.0	17.8	1.0	Plain	<b>FTB152</b>
5.0	1.7 - 8.0	11.0	12.7	1.0	Plain	<b>FTB150</b>
5.0	2.5 - 12.5	15.0	17.8	1.5	-	<b>FTB151</b>
5.5	2.8 - 11.0	12.7	15.2	1.5	Matt	<b>FTB025</b>
5.6	1.5 - 6.0	16.5	12.7	2.3	Plain	<b>FTB146</b>
5.6	1.5 - 14.0	13.0	19.7	2.0	Plain	<b>FTB051</b>
5.6	4.5 - 12.5	16.0	17.2	2.1	Grained	<b>FTB016</b>
6.0	2.0 - 8.0	19.0	13.0	2.0	Matt	<b>FTB028</b>
6.0	3.0 - 8.0	16.0	15.0	2.0	Grained	<b>FTB017</b>
6.4	0.8 - 7.4	11.1	11.1	1.8	Plain	<b>FTB052</b>
6.4	0.8 - 7.4	19.0	11.1	2.5	Plain	<b>FTB039</b>
6.4	0.9 - 15.0	12.7	21.0	2.5	Grained	<b>FTB148</b>
6.4	2.0 - 11.4	14.0	20.1	2.0	Plain	<b>FTB065</b>
6.4	2.3 - 7.3	19.0	15.9	0.8	Plain	<b>FTB053</b>

## Fir Tree Buttons - Continued



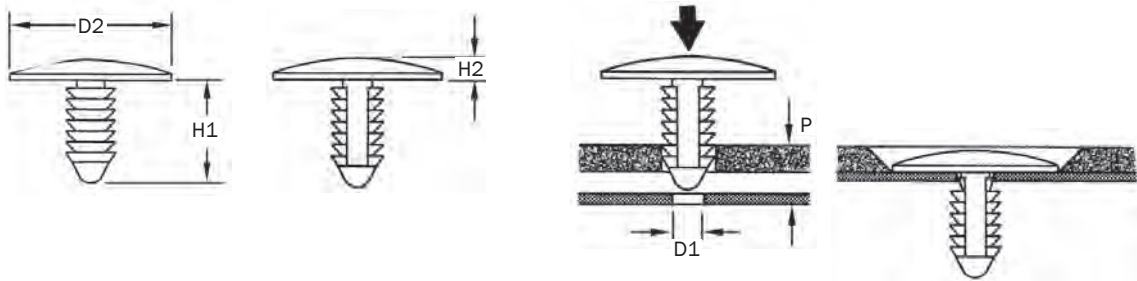
This range of push-in Fir Tree Button fasteners is designed to secure board, rubber or other soft sheet materials to secondary panels or for holding components to panels. Simple and quick to install, the button contracts on entry and then relaxes to secure the two panels.

Fir Tree Buttons are used extensively to secure trims in the automotive industry and have many other applications in domestic appliances and electrical equipment.

Typical applications include motor vehicles, domestic appliances, caravans, office and upholstered furniture.

**Material** - Nylon.

**Typical Colours** - Black, Grey.



D1	P	D2	H1	H2	Head	Part Number
6.4	2.3 - 14.2	17.8	20.3	2.5	Plain	<b>FTB055</b>
6.4	2.3 - 20.3	17.8	26.9	2.5	Plain	<b>FTB056</b>
6.4	2.6 - 8.6	17.8	15.5	2.5	Plain	<b>FTB054</b>
6.4	10.5 - 28.7	17.8	32.4	2.5	Plain	<b>FTB057</b>
6.4	10.7 - 28.8	17.8	35.1	2.5	Plain	<b>FTB058</b>
6.5 - 7.0	6.0 - 17.5	20.0	23.0	2.0	Matt	<b>FTB021</b>
7.0 - 7.2	2.5 - 7.9	14.0	12.0	1.6	Grained	<b>FTB010</b>
7.0 - 7.4	0.7 - 11.0	18.0	22.1	2.0	Matt	<b>FTB156</b>
7.0 - 7.4	0.7 - 20.0	18.0	27.3	2.0	Matt	<b>FTB022</b>
7.0 - 7.4	0.7 - 20.0	30.0	35.0	2.0	Matt	<b>FTB095</b>
7.1	1.5 - 25.4	19.0	30.5	2.5	Plain	<b>FTB059</b>
7.1	7.9 - 29.9	25.4	37.5	2.5	Grained	<b>FTB070</b>
7.2	2.5 - 7.0	24.0	15.0	2.5	Grained	<b>FTB013</b>
7.2	2.5 - 9.0	24.0	17.0	2.5	Grained	<b>FTB011</b>
7.2	3.0 - 10.0	14.0	16.0	2.0	Plain	<b>FTB060</b>
7.2	3.0 - 16.0	16.0	22.0	2.0	Matt	<b>FTB061</b>
8.0	3.2 - 7.5	21.0	13.4	2.0	Grained	<b>FTB030</b>
8.0 - 8.4	2.7 - 13.2	20.0	20.0	3.8	Grained	<b>FTB001</b>
8.2	0.7 - 5.0	13.0	12.2	1.5	Plain	<b>FTB062</b>
8.4	2.9 - 6.9	25.0	11.7	2.0	Grained	<b>FTB081</b>
9.5 - 9.7	5.5 - 13.5	22.0	17.0	4.0	Grained	<b>FTB137</b>
10.0	1.5 - 20.0	21.5	28.3	4.0	Plain	<b>FTB084</b>
10.2	7.0 - 16.0	30.0	20.0	2.5	Grained	<b>FTB018</b>
10.3	2.9 - 14.4	25.4	20.8	2.5	Matt	<b>FTB063</b>



## Fir Tree Fasteners - Double-Ended

This range of push-in Double-Ended Fir Tree fasteners are designed to secure board, rubber or other soft sheet materials to secondary panels or for holding components to panels.

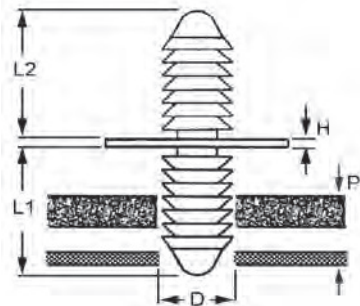
The fins contract on entry and expand on the far side of the hole.

Typical applications include office seating, partitioning and upholstered furniture.

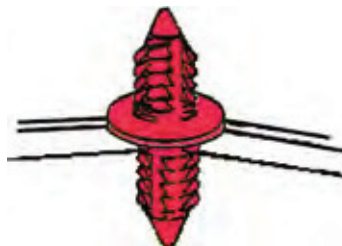
**Material** - Nylon.

**Typical Colours** - Natural, Black.

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D	P	L1	L2	H	Part Number
3.8 - 4.1 (x2)	2.7 - 6.4	8.0	8.0	1.6 - 1.8	<b>FTB085</b>
6.3 (x2)	0.5 - 6.8 (x2)	12.0	12.0	2.8	<b>FTB086</b>
6.4 (x2)	2.3 - 6.8 (x2)	15.4	15.4	1.6	<b>FTB071</b>
7.9 - 8.1 (x2)	2.7 min (x2)	8.8	8.8	1.0	<b>FTB087</b>
7.9 - 8.1 (x2)	3.2 - 9.5 (x2)	12.0	22.0	0.65 - 1.4	<b>FTB088</b>





## Plastic Friction Bushes

Plastic Friction Bushes are easy to insert from the outside of a panel making them ideal for blind fixing applications where badges or name plates need to be retained, with the added advantage of sealing the hole against water entry.

**PFB020** has an integral spring steel ring for extra hold on the stud.

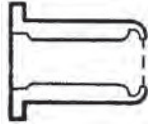
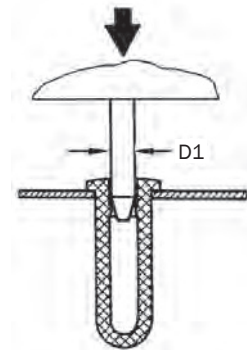
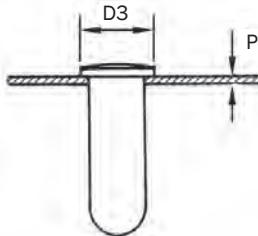
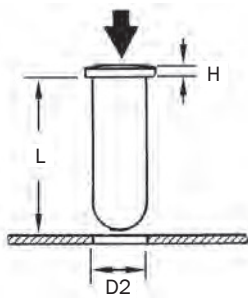
Typical applications include motor vehicles, machines, garden equipment and audio equipment.

**Type 1** = Open at both ends.

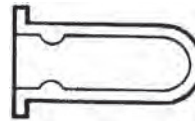
**Type 2** = Closed at bottom.

**Materials** - Nylon, Polypropylene.

**Typical Colours** - Black, Natural.

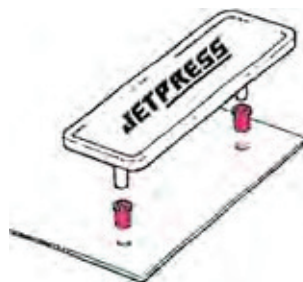


Type 1



Type 2

D1	D2	P	L	H	D3	Type	Part Number
2.4	3.5	1.6	6.5	0.5	4.7	1	PFB057
2.4	4.0	0.9	11.7	0.9	5.2	2	PFB016
3.2	4.3	1.6	6.6	0.5	5.1	1	PFB058
3.2	4.8	0.9	11.7	0.9	6.3	2	PFB059
3.6	6.5	0.8 - 1.0	12.5	3.0	12.0	2	PFB005
4.0	5.5	0.9	11.7	0.9	7.1	2	PFB018
4.0 - 4.3	5.0	1.0 - 3.5	7.2	0.6	8.0	1	PFB006
4.8	6.4	1.6	8.4	0.5	7.9	1	PFB060
4.8 - 5.1	6.3	0.7 - 1.2	6.0	1.0	7.8	1	PFB007
5.0	6.8	0.7	5.5	2.2	14.0	1	PFB020
6.0	9.0	3.2	10.2	0.6	10.5	1	PFB061
6.4	7.3	1.6	8.4	0.5	9.5	1	PFB062



## Quarter Turn Studs

These fasteners are ideal for use where a quick-release, reusable fastening is required and are available in various head styles for assembly by hand or screwdriver.

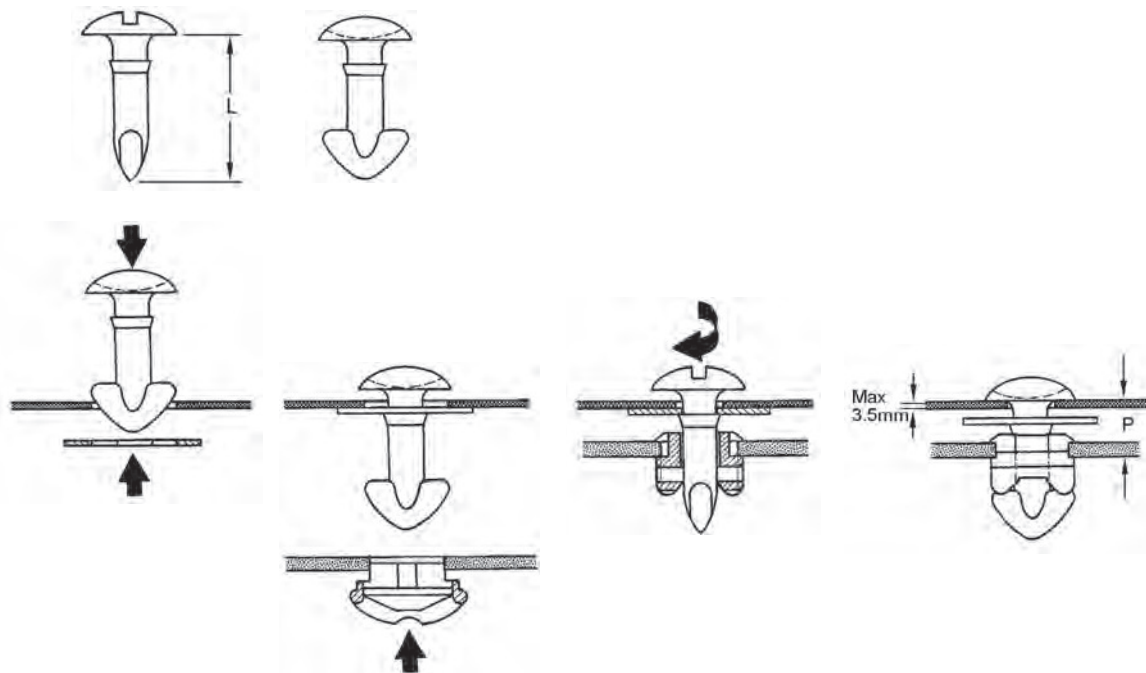
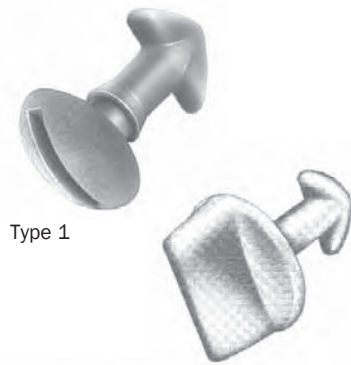
The Quarter Turn Stud is part of a three piece set, comprising of a Stud, Washer and Cam. The stud is selected according to the overall thickness of both panels - ensuring that the top panel is no thicker than 3.5mm - and the cam is selected according to the base panel thickness. The washer, if required, is used to retain the stud in the top panel.

A quarter turn of the stud closes and releases the assembly so that access can be gained as required.

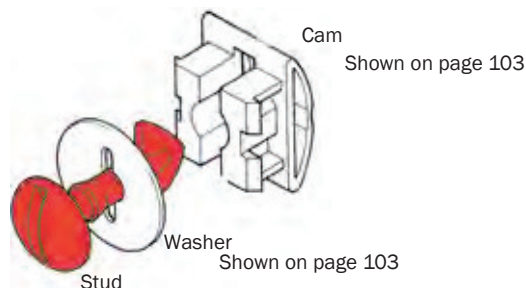
Typical applications include motor vehicles - to fasten carpets over spare wheels/jack storage area and for access to panels under the bonnet or dashboard, ventilators, heaters and domestic appliances.

**Materials** - Nylon, Acetal.

**Typical Colour** - Black.



P	L	Type	Part Number
5.6 - 6.4	19.0	3	<b>QTS121</b>
5.6 - 7.3	17.9	2	<b>QTS122</b>
7.6 - 8.4	19.6	1	<b>QTS123</b>
7.6 - 8.4	20.0	2	<b>QTS124</b>





## Quarter Turn Cam and Washer



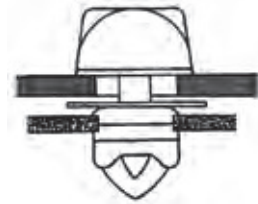
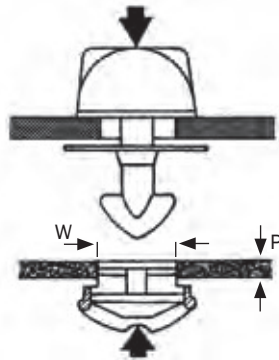
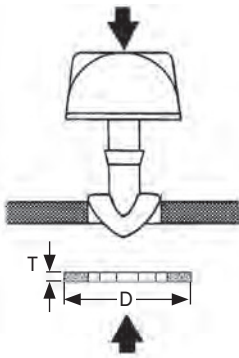
The Cam and Washer are used in conjunction with your choice of Quarter Turn Stud, shown on page 102.

The Cam is selected according to the base panel thickness, and the Washer, if required, is used where the Stud needs to be retained in position prior to assembly or to carry out maintenance work.

Typical applications include motor vehicles - to fasten carpets over spare wheels/jack storage area and for access to panels under the bonnet or dashboard, ventilators, heaters and domestic appliances.

**Materials** - Nylon, Acetal.

**Typical Colour** - Black.

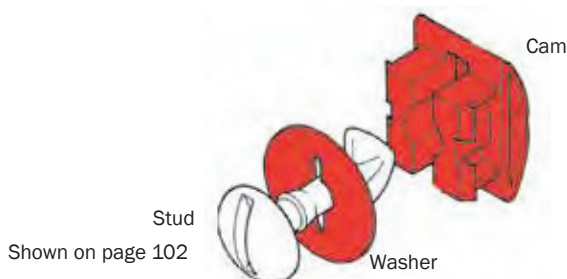


### Cams

P	W	Part Number
1.2	12.6 x 12.6	QTC005
2.0	12.6 x 12.6	QTC006
3.3	12.6 x 12.6	QTC007

### Washer

D	T	Part Number
20.3	1.5	QTW040



## W Button Trim Fasteners - One Piece Type



Type 1



TPR006



TPR007

These fasteners are used principally in the automotive industry to attach door and tailgate trim panels to inner door panels. Designed to be 'blind' fixed to provide a neat, attractive appearance, they allow panels to be removed for repair, servicing or inspecting, and are easy to fit without the use of special tools.

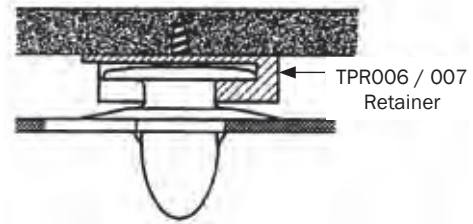
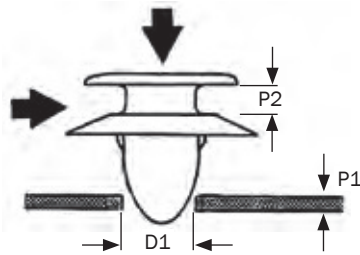
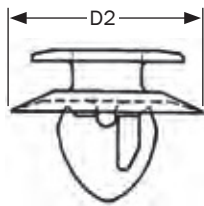
Designed to be positioned in a keyhole slot in the trim panel (keyhole details available upon request) they are then simply pushed into the door panel mounting hole. Some of these fasteners can also be used with our retainers **TPR006** or **TPR007** - when for technical or styling reasons, a keyhole slot is not feasible. Please see the table below for details.

Most parts have a flexible skirt which seals the mounting hole against dirt or water entry, and our Type 2 W Button Fasteners are ideal for use when a space is required between the trim and base panel.

Typical applications include motor vehicles, domestic appliances, heaters and ventilators.

**Materials** - Nylon, Acetal.

**Typical Colours** - Grey, Natural, Black, Yellow.

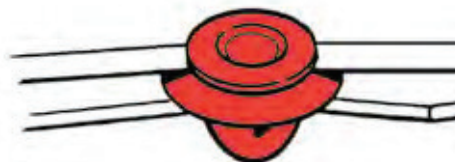


Type 1



Type 2

D1	P1	P2	D2	Type	Retainer	Part Number
7.5	0.7 - 0.9	2.0	19.0	1	-	<b>TPF052</b>
8.0	0.7 - 0.9	2.5	17.4	1	TPR007	<b>TPF053</b>
8.0	0.8 - 2.0	2.5	18.6	1	TPR006/007	<b>TPF036</b>
8.0	0.9	2.5	18.0	1	TPR006/007	<b>TPF045</b>
8.1	5.0	2.3	15.4	1	TPR006/007	<b>TPF056</b>
8.1 - 8.4	0.9	2.3	17.5	1	TPR006	<b>TPF054</b>
8.2	0.7 - 1.5	2.0	14.9	2	-	<b>TPF071</b>
8.3	0.7 - 2.0	1.8	18.0	2	TPR007	<b>TPF046</b>





## Trim Fasteners - Fir Tree Type



Designed for blind trim fixing applications where occasional removal and refitting is a requirement, these fasteners have a high tolerance of poor hole conditions. Positioned into a keyhole slot within the trim panel (keyhole details available upon request), they are then simply pushed into the fixing hole of the base panel.



TPR006

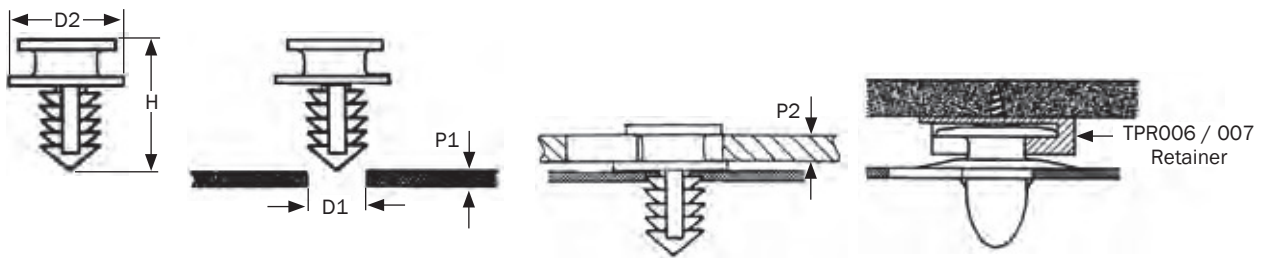
Some of these fasteners can also be used with our retainers - **TPR006** and **TPR007** - when for technical or styling reasons, a keyhole slot is not feasible. Please see the table below for details.

Typical applications include motor vehicles, boats, caravans and coaches.

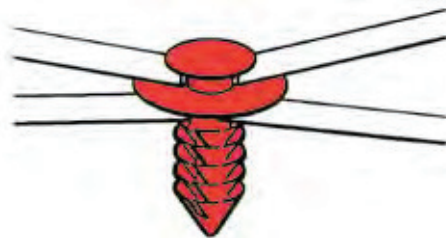


TPR007

**Materials** - Nylon, Acetal.  
**Typical Colours** - Black, Natural.



D1	P1	P2	D2	H	Retainer	Part Number
6.1	10.5	0.7	16	16	-	TPF047
6.3	9.3	1.4	16	15	TPR006	TPF048
6.3	9.3	3.0	16	18	TPR006	TPF050
6.8	7.5	2.0	12	14	-	TPF051



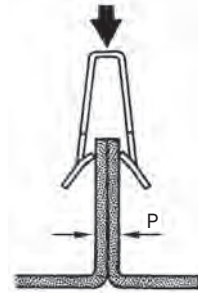
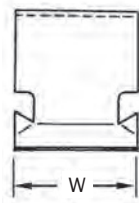
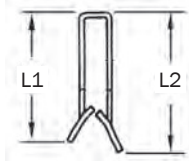


## Edge Panel Fasteners - Standard

These fasteners secure two panels or components to other panels or flanges. Ideal for the assembly of dissimilar metals, fibre and hardboards, wood, hard and soft plastics - even rubber. No drilling or additional screws are needed as the barbs retain the fastener securely in position.

Typical applications include fascia panels, electrical equipment, packaging and telecom equipment.

**Material** - Austempered Carbon Steel.



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P	L1	L2	W	Part Number
0.4 - 1.1	8.7	8.7	12.7	EPF171
0.4 - 1.2	8.7	8.7	15.9	EPF172
0.4 - 2.0	9.4	9.4	12.7	EPF173
0.4 - 2.0	14.3	14.3	12.7	EPF174
0.8 - 2.0	6.4	6.4	38.1	EPF175
0.8 - 2.0	4.8	4.8	13.0	EPF149
0.8 - 2.0	8.0	8.0	12.7	EPF176
0.8 - 2.0	8.7	8.7	12.7	EPF177
1.0 - 2.0	8.7	8.7	12.7	EPF178
1.2 - 2.0	14.3	14.3	12.7	EPF180
1.6 - 2.0	8.7	8.7	6.3	EPF181
1.6 - 2.0	8.7	8.7	12.7	EPF182
1.6 - 2.3	10.0	10.0	13.8	EPF244
1.7 - 3.3	12.5	12.5	12.7	EPF183
2.0 - 2.8	8.7	8.7	12.7	EPF184
2.0 - 2.9	14.0	14.0	12.7	EPF185
2.2 - 3.6	10.7	10.7	12.7	EPF186
2.4 - 3.6	8.7	8.7	12.7	EPF271
2.8 - 3.0	8.3	8.3	13.0	EPF146
2.8 - 3.6	6.4	6.4	12.7	EPF246
2.9 - 3.3	12.5	12.5	12.7	EPF187
3.1 - 3.8	12.7	12.7	12.7	EPF188
3.2 - 3.6	8.7	8.7	12.7	EPF189
3.2 - 5.1	12.7	12.7	12.7	EPF154
3.6 - 4.8	8.7	8.7	12.7	EPF191
4.4 - 4.6	6.3	6.3	8.0	EPF241
4.4 - 5.5	9.9	9.9	12.7	EPF192
4.4 - 5.6	9.3	9.3	12.7	EPF193
4.4 - 5.9	7.1	7.1	12.0	EPF194
5.5 - 6.0	11.1	11.1	12.7	EPF195
6.4 - 7.9	9.9	9.9	12.7	EPF196
9.0 - 9.5	10.0	10.0	15.0	EPF053

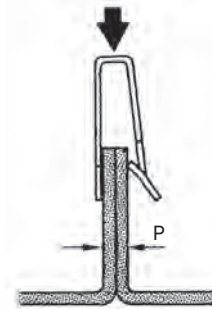
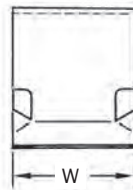
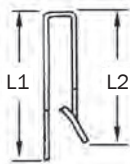


## Edge Panel Fasteners - D Type

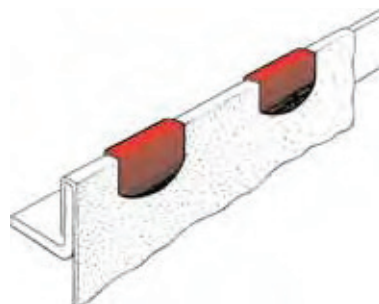
A range of robust fasteners designed to secure leather, cloth, soft plastics, fabrics, rigid plastic or fibreboard panels to metal. Barbs retain the assembly securely in position on one side whilst the flat side provides a neat flush appearance on the other.

Typical applications include motor vehicles, furniture, seating and toys.

**Material** - Austempered Carbon Steel.



P	L1	L2	W	Part Number
0.6 - 1.2	8.7	8.7	12.7	EPF198
0.8 - 0.9	6.2	4.2	13.0	EPF253
1.0 - 1.6	8.7	8.7	12.7	EPF199
1.0 - 3.6	11.0	11.0	12.7	EPF200
1.3 - 1.5	10.4	10.4	18.0	EPF058
1.4 - 1.9	10.3	8.7	12.7	EPF201
1.7 - 2.0	12.5	10.5	15.0	EPF243
1.8 - 2.4	8.7	8.7	12.7	EPF202
1.8 - 3.2	12.7	12.7	12.7	EPF203
2.2 - 3.2	8.7	8.7	12.7	EPF204
2.5 - 2.8	5.8	3.6	13.0	EPF085
2.5 - 3.5	8.6	8.3	12.7	EPF138
2.6 - 2.8	7.9	7.9	12.7	EPF272
3.0 - 3.4	7.6	7.6	12.7	EPF245
3.4 - 4.0	12.7	8.7	12.7	EPF205
3.4 - 4.2	11.4	11.4	12.7	EPF273
3.5	8.0	8.0	13.0	EPF061
4.6 - 5.1	10.3	10.3	12.7	EPF206
5.4 - 5.6	14.3	10.3	12.7	EPF207
8.0	22.0	14.0	20.0	EPF145





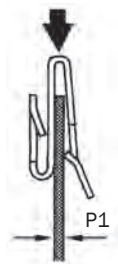
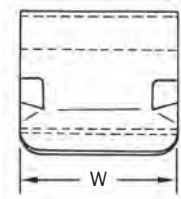
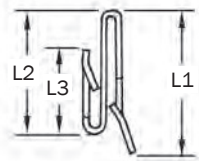
## Edge Panel Fasteners - S Type

This practical range of fasteners is designed to hold metal, fibreboard or rigid plastic sheet material at 180° either to other metal panels or to each other. The barbs hold the clip securely in place thus eliminating the need for holes and screws.

Where disassembly is a requirement we also have a range of removable S Type Edge Panel Fasteners.

Typical applications include domestic appliances, motor vehicles, furniture, panelling, packaging, telecom equipment and electrical equipment.

**Material** - Austempered Carbon Steel.



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### Non - Removable

P1	P2	L1	L2	L3	W	Part Number
0.2 - 1.2	1.8 - 2.0	11.9	11.9	11.5	12.7	EPF228
0.4 - 0.5	0.4 - 0.5	6.9	9.9	11.4	12.7	EPF208
0.5 - 1.2	0.5 - 1.2	7.9	8.3	7.9	12.7	EPF209
0.5 - 1.2	0.5 - 1.2	9.7	12.7	9.7	12.7	EPF210
0.6 - 1.2	0.6 - 1.2	11.2	11.2	11.2	12.7	EPF276
0.6 - 1.2	0.9 - 2.0	15.1	15.1	11.5	12.7	EPF249
0.7 - 1.2	0.7 - 1.2	9.9	9.9	9.9	12.7	EPF211
0.9 - 2.1	1.8 - 3.1	9.9	9.9	9.9	12.7	EPF212
1.0 - 1.3	1.8 - 2.0	14.0	13.5	12.0	20.0	EPF123
1.0 - 2.0	1.4 - 2.0	8.7	8.7	8.7	12.7	EPF213
1.5 - 2.0	1.5 - 2.0	9.5	10.7	9.0	38.0	EPF152
1.5 - 2.0	2.0 - 2.3	10.0	10.7	8.0	12.5	EPF125
1.5 - 2.4	2.6 - 3.2	11.9	11.9	11.9	12.7	EPF214

### Removable

P1	P2	L1	L2	L3	W	Part Number
0.5 - 1.1	1.0 - 1.2	7.9	8.7	7.9	15.9	EPF221
0.8	1.6	7.7	7.7	7.8	16.0	EPF220
0.8 - 1.6	2.7	8.0	8.0	8.0	12.7	EPF251
0.9 - 1.6	1.2 - 1.6	11.0	11.0	11.0	18.0	EPF256
1.2	1.8	10.4	13.0	13.0	12.7	EPF254
1.2 - 1.8	0.5 - 1.6	13.0	11.0	11.0	12.0	EPF216
2.2 - 2.8	1.6	10.3	10.3	9.5	12.7	EPF277



## Fascia/Trim Clips - Trim Panel Retained - Continued on page 110

Here we show just a few examples of this popular and versatile style of clip. Primarily used by all the major automotive manufacturers to retain fascias, dashboards and trim panels, they have also been utilised to aid speed and ease of assembly in many other industrial applications.

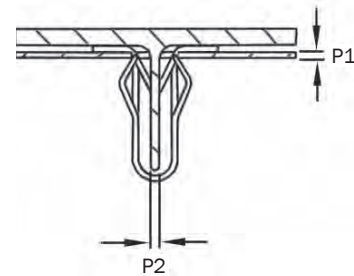
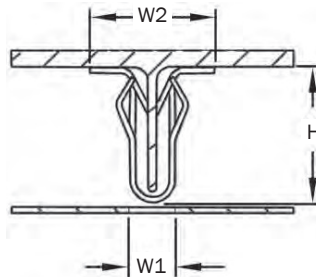
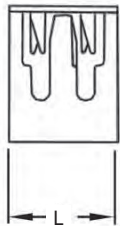
Designed for use on rectangular studs or integrally moulded ribs on any lightweight application where removability is desired, they provide a snug, rattle-free installation, yet will yield to deliberate removal force when required.

To facilitate removal or replacement, the 'Headed and Unheaded Trim Panel Clips' have barbs which enable them to remain on the trim panel but disengage from the base panel, whereas the 'Retain on Base Panel Clips' are designed to remain fitted to the base panel but separate easily from the trim panel.

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Typical applications include fascias, domestic appliances and motor vehicles.

**Material** - Austempered Carbon Steel.



### Trim Panel Retained - Headed

P1	P2	W1	W2	L	H	Part Number
0.7	1.0	5.5	-	9.5	15.6	EPF267
0.7	1.3	6.0	14.0	12.0	17.6	EPF284
0.7	1.5	6.0	14.0	12.0	15.1	EPF155
0.7	1.3	6.0	14.0	12.0	11.6	EPF278
0.7	1.5 - 1.7	6.0	14.0	12.0	11.6	EPF143
0.8	1.0 - 1.2	5.4	11.8	16.0	8.3	EPF231
1.0	1.5 - 1.7	6.0	14.0	12.0	9.1	EPF167
1.0 - 1.7	1.0 - 3.0	6.0	14.0	12.0	16.0	EPF280
1.2 - 1.5	2.0 - 2.5	7.4	16.0	17.0	13.5	EPF232
1.5 - 2.0	1.5	6.0	15.0	12.0	15.1	EPF281
2.0	0.7 - 1.2	6.0	15.0	12.0	15.0	EPF285
2.5	1.7 - 2.1	8.5	15.0	14.0	17.9	EPF238
2.5	2.0	9.0	12.0	9.8	12.0	EPF279
4.5	3.0	6.0	12.0	22.0	13.0	EPF283
6.0	1.6	6.0	15.0	10.0	18.2	EPF269