



## 2-Pieces Fixing Ties with Fir Tree, with Disc

### Features and Benefits

These two piece fixings are supplied ready assembled and offer a simple and versatile method of bundling and fixing cables.

The fir tree base will easily push into pre-punched holes in panels or threaded blind holes, and offers a very secure fixing.

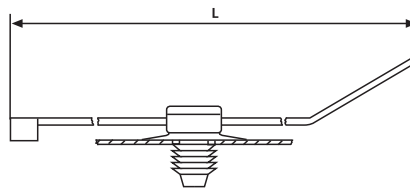
The two piece design enables the head of the tie to be orientated to the required position to ease assembly, whilst the 'disc' on the top of the fir tree covers the hole and minimises the ingress of dust, dirt and water.

### Application

Primarily designed for fixing cable harnesses in the automotive industry, their simplicity and ease of use, has resulted in these parts being used in many industries, for example: aviation, switch gear manufacture and white goods.



These Fir Tree fixings can also be used in threaded, blind holes.



One piece fixing tie with fir tree mount

**Other dimensions available on request. Please contact us.**

Technical Table

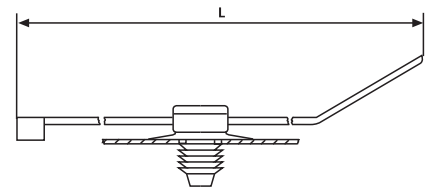
Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile strength for ties (N)	Disc Ø	Hole Ø	Panel Thickness min.	Panel Thickness max.	Colour	Material Cable Tie	Material Foot Part
150-55850	T30RFT5	150	3.6	34.0	135	16.0	4.5-5.0	0.7	3.0	Black (BK)	PA66HS	PA66HIRHS
150-55948	T30RFT5	150	3.6	34.0	135	16.0	4.5-5.0	0.7	3.0	Natural (NA), Grey (GY)	PA46	PA46
156-00025	T50RFT5	200	4.6	45.0	225	16.0	4.5-5.0	0.7	3.0	Black (BK)	PA66HS	PA66HIRHS
156-06200	T50SOSFT5	150	4.6	31.0	225	16.0	4.5-5.0	0.7	3.0	Black (BK)	PA66HS	PA66HIRHS
156-00432	T50SOSFT5SD	150	4.6	35.0	225	16.0	4.5-5.0	0.7	3.0	Black (BK)	PA66HS	PA66HIRHS
150-09110	T18RFT6	100	2.5	20.0	80	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66	PA66
150-77932	T30LRFT6	260	3.3	65.0	180	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
150-77950	T30RFT6	150	3.6	34.0	135	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
150-77933	T50SFT6	150	4.6	31.0	225	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66
150-77941	T50RFT6	200	4.6	45.0	225	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66
150-77938	T50RFT6	200	4.6	45.0	225	16.0	6.4-7.1	0.75	3.0	Grey (GY)	PA46	PA46
150-77934	T80LFT6	390	4.6	108.0	355	16.0	6.4-7.0	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
150-77937	T80IFT6	300	4.6	81.0	355	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
156-00076	T50ROSFT6	200	4.6	45.0	225	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
150-77936	T50RDHFT6	210	4.7	19.0	225	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
150-52690	T30RFT6SD	150	3.6	31.0	135	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIRHS
156-05902	T50ROSFT6SD	200	4.6	46.0	225	16.0	6.4-7.1	0.75	3.0	Black (BK)	PA66HS	PA66HIR
156-00085	T50ROSFT6SD	200	4.6	46.0	225	16.0	6.4-7.1	0.75	3.0	Grey (GY)	PA46	PA46

All dimensions in mm. Subject to technical changes.



## 2-Pieces Fixing Ties with Fir Tree, with Disc

Other dimensions available on request. Please contact us for further information.



One piece fixing tie with fir tree mount

### Material Data

Material	<b>Polyamide 6.6 High Imp. Mod., Heat Stab. (PA66HIRHS)</b>
Operating Temperature	<b>-40 °C to +105 °C</b>
Flammability	<b>UL94 HB</b>



### Material Data

Material	<b>Polyamide 6.6 (PA66)</b>
Operating Temperature	<b>-40 °C to +85 °C Continuous, (+105 °C for 500 h)</b>
Flammability	<b>UL94 V2</b>



### Material Data

Material	<b>Polyamide 6.6 Heat Stabilised (PA66HS)</b>
Operating Temperature	<b>-40 °C to +105 °C Continuous, (+145 °C for 500 h)</b>
Flammability	<b>UL94 V2</b>



### Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Disc Ø	Min. Tensile strength for ties (N)	Hole Ø	Panel Thickness min.	Panel Thickness max.	Colour	Material Cable Tie	Material Foot Part
150-31090	<b>T30RFT6LG</b>	148	3.6	35.0	16.0	135	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
150-31097	<b>T30LFT6LG</b>	190	3.6	45.0	16.0	135	6.4-7.1	0.75	6.0	Black (BK)	PA66	PA66HIRHS
150-31093	<b>T50SFT6LG</b>	160	4.6	35.0	16.0	225	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
150-31091	<b>T50RFT6LG</b>	200	4.6	44.0	16.0	225	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
150-31096	<b>T80IFT6LG</b>	300	4.6	81.0	16.0	355	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
156-00154	<b>T50SFT6LG1SD</b>	160	4.6	30.0	16.0	225	6.5-7.0	0.6	6.0	Black (BK)	PA66HS	PA66HIRHS
156-00399	<b>T50RFT6LGSD-HEX</b>	200	4.6	45.0	16.0	225	6.25-6.75	0.7	5.0	Black (BK)	PA66HS	PA66HIRHS
111-85870	<b>T50RFT7</b>	200	4.6	45.0	16.0	225	6.5-7.0	0.8	7.0	Black (BK)	PA66HS	PA66HS
156-05312	<b>T50RFT7</b>	200	4.6	45.0	16.0	225	6.5-7.0	0.8	7.0	Black (BK)	PA66	PA66
150-00700	<b>T50IFT7</b>	300	4.6	81.0	16.0	225	6.5-7.0	0.8	7.0	Black (BK)	PA66HS	PA66HS
111-85880	<b>T50RFT8</b>	200	4.6	45.0	16.0	225	7.7-8.0	0.8	6.0	Black (BK)	PA66HS	PA66HS
156-00044	<b>T50RFT8</b>	200	4.6	45.0	16.0	225	7.7-8.0	0.8	6.0	Black (BK)	PA66HS	PA66HS
156-00104	<b>T40RFT8GSD</b>	180	4.0	40.0	16.0	180	8.0-8.5	1.5	4.0	Black (BK)	PA66HS	PA66HIRHS
133-00034	<b>T50RFT8</b>	200	4.6	45.0	16.0	225	8.0-8.5	1.5	4.0	Black (BK)	PA66HS	PA66HIRHS
156-00235	<b>T50RFT8GSD</b>	200	4.6	45.0	16.0	225	8.0-8.5	1.5	4.0	Grey (GY)	PA46	PA46
156-00200	<b>T120IFT9</b>	300	7.6	75.0	20.0	535	9.0-10.6	5.0	11.0	Black (BK)	PA66HIR(S)	PA66HIR(S)
156-05301	<b>T50RFT10</b>	200	4.6	45.0	18.0	225	9.7-10.0	0.8	5.0	Black (BK)	PA66	PA66
111-85810	<b>T50RFT10</b>	200	4.6	45.0	18.0	225	9.7-10.0	0.8	5.0	Black (BK)	PA66HS	PA66HS
156-00120	<b>T50ROSFT10</b>	200	4.6	45.0	18.0	225	9.7-10.0	0.8	5.0	Black (BK)	PA66HS	PA66HIRHS

All dimensions in mm. Subject to technical changes.

## 2-Pieces Fixing Ties with Fir Tree, with Disc, for Oval Holes

### Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Disc Ø	Min. Tensile strength for ties (N)	Hole Ø	Panel Thickness min.	Panel Thickness max.	Colour	Material Cable Tie	Material Foot Part
150-37591	<b>T50RFT6OVAL</b>	200	4.6	45.0	-*	225	6.3x12.2	0.6	3.0	Black (BK)	PA66HS	PA66HIR
156-05908	<b>T50ROS1DOP62x122</b>	200	4.6	45.0	12.0x21.0	225	6.2x12.2	0.6	6.0	Black (BK)	PA66HS	PA66HIRHS

All dimensions in mm. Subject to technical changes. \* without disc, but with wings.