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1.8

Cable Ties and Fixings

Fixing Ties



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.

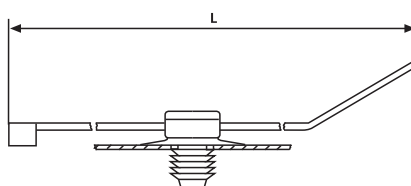
The two piece design enables the head of the tie to be orientated to the required position to ease assembly, whilst the 'disc' on the top of the fir tree covers the hole and minimises the ingress of dust, dirt and water.



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

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.



One piece fixing tie with fir tree mount

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

Technical Table

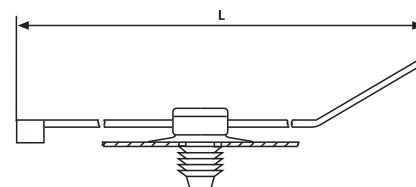
Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile strength for ties (N)	Disc Ø	Hole Ø	Panel Thickness min.	Panel Thickness max.	Colour	Material Cable Tie	Material Foot Part
150-55850	T30RFT5	150	3.6	34.0	135	16.0	4.5-5.0	0.7	3.0	Black (BK)	PA66HS	PA66HIRHS
150-55948	T30RFT5	150	3.6	34.0	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	Polyamide 6.6 High Imp. Mod., Heat Stab. (PA66HIRHS)
Operating Temperature	-40 °C to +105 °C
Flammability	UL94 HB



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



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



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	T30RFT6LG	148	3.6	35.0	16.0	135	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
150-31097	T30LFT6LG	190	3.6	45.0	16.0	135	6.4-7.1	0.75	6.0	Black (BK)	PA66	PA66HIRHS
150-31093	T50SFT6LG	160	4.6	35.0	16.0	225	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
150-31091	T50RFT6LG	200	4.6	44.0	16.0	225	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
150-31096	T80IFT6LG	300	4.6	81.0	16.0	355	6.4-7.1	0.75	6.0	Black (BK)	PA66HS	PA66HIRHS
156-00154	T50SFT6LG1SD	160	4.6	30.0	16.0	225	6.5-7.0	0.6	6.0	Black (BK)	PA66HS	PA66HIRHS
156-00399	T50RFT6LGSD-HEX	200	4.6	45.0	16.0	225	6.25-6.75	0.7	5.0	Black (BK)	PA66HS	PA66HIRHS
111-85870	T50RFT7	200	4.6	45.0	16.0	225	6.5-7.0	0.8	7.0	Black (BK)	PA66HS	PA66HS
156-05312	T50RFT7	200	4.6	45.0	16.0	225	6.5-7.0	0.8	7.0	Black (BK)	PA66	PA66
150-00700	T50IFT7	300	4.6	81.0	16.0	225	6.5-7.0	0.8	7.0	Black (BK)	PA66HS	PA66HS
111-85880	T50RFT8	200	4.6	45.0	16.0	225	7.7-8.0	0.8	6.0	Black (BK)	PA66HS	PA66HS
156-00044	T50RFT8	200	4.6	45.0	16.0	225	7.7-8.0	0.8	6.0	Black (BK)	PA66HS	PA66HS
156-00104	T40RFT8GSD	180	4.0	40.0	16.0	180	8.0-8.5	1.5	4.0	Black (BK)	PA66HS	PA66HIRHS
133-00034	T50RFT8	200	4.6	45.0	16.0	225	8.0-8.5	1.5	4.0	Black (BK)	PA66HS	PA66HIRHS
156-00235	T50RFT8GSD	200	4.6	45.0	16.0	225	8.0-8.5	1.5	4.0	Grey (GY)	PA46	PA46
156-00200	T120IFT9	300	7.6	75.0	20.0	535	9.0-10.6	5.0	11.0	Black (BK)	PA66HIR(S)	PA66HIR(S)
156-05301	T50RFT10	200	4.6	45.0	18.0	225	9.7-10.0	0.8	5.0	Black (BK)	PA66	PA66
111-85810	T50RFT10	200	4.6	45.0	18.0	225	9.7-10.0	0.8	5.0	Black (BK)	PA66HS	PA66HS
156-00120	T50ROSFT10	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	T50RFT6OVAL	200	4.6	45.0	—*	225	6.3x12.2	0.6	3.0	Black (BK)	PA66HS	PA66HIR
156-05908	T50ROS1DOP62x122	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.