

One Piece Fixing Ties

One Piece Fixing Ties bring together a solution for the need to bundle a product whilst at the same time providing a fixing solution. HellermannTyton's one-piece fixing ties offer the ideal combination of high specification materials and superior design to give the perfect solution for both bundling and installation of cable bundles, hoses or pipes. Long acknowledged as the market leader for innovative fixings, HellermannTyton has now met some of the challenges set by the automotive, aviation, domestic appliance and electrical industries by combining the best of 'fixing design' with the best of 'cable tie design' – The 'All-New One Piece Ties'.



The additional seal protects against the ingress of moisture or dirt.

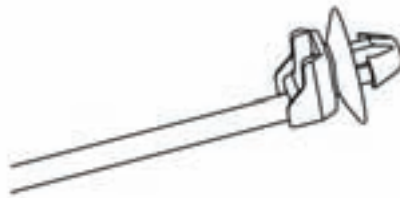


Application in aviation industry.

T50SOSSFT6.5E (without foam washer)


T50SOSSFT6.5E-MD (with foam washer)

This tie has an arrowhead design of fixing which offers a positive 'click' low push-in force with a high pull-out force. When combined with the optional foam rubber seal it offers additional protection against the ingress of moisture or dirt.



T50SOSSFT6.5E

Material Data

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

Material Data

RoHS	Material	Polyamide 6.6 High Impact Modified, Heat Stabilised (PA66HIRHS)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)
	Flammability	UL94 HB

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Hole Ø	Panel Thickness max.	Panel Thickness max.	Material	Colour
T50SOSSFT6.5E-MD	160	4.6	35	225	6.3-6.7	0.6	1.8	PA66HS	Green (GR)
T50SOSSFT6.5E	160	4.6	35	225	6.3-6.7	1.9	2.5	PA66HS	Black (BK)

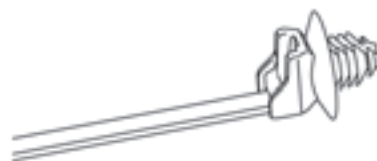
All dimensions in mm. Subject to technical changes.

T50SOSFT6E

This fir tree fixing tie provides a low insertion force with a high pull-out force. The outside serrations present a smooth surface to the cables, preventing the chafe and damage to the insulation that can often be seen with the use of inside serrated cable ties in vibration environments. The unique head design allows the cable tie to firmly hold cables as small as 1.6 mm diameter.



Application in automotive industries.



T50SOSFT6E

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Hole Ø	Panel Thickness min.	Panel Thickness max.	Material	Colour
T50SOSFT6E	160	4.6	35	225	6.5-7.0	0.75	3.0	PA66HIRHS	Black (BK)

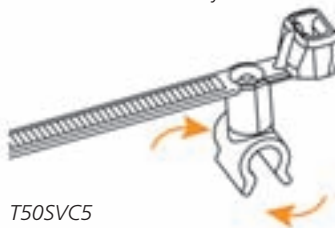
All dimensions in mm. Subject to technical changes.

T50SVC5

This simple to use inside serrated tie provides the opportunity to attach an additional 5 mm diameter cable, pipe or hose to an existing bundle. Offering the facility of a full 360° of rotation, the second bundle can be orientated in any direction in relation to the main harness. Ideally suited for any application where the cable, pipe or hose can move in relation to the fixing point.



T50SVC5 rotates in any direction.



T50SVC5

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Attach to Ø	Material	Colour
T50SVC5	155	4.7	35	225	4.5 - 5.2	PA66HS	Black (BK)

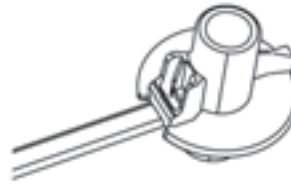
All dimensions in mm. Subject to technical changes.

T50SOSSBH5E

This cable tie offers three distinct benefits to the user. Firstly it offers the opportunity to retain insulation material. Secondly, it allows cables, pipes or hoses to be bundled. Thirdly it has a simple 'soft push' mechanism which allows it to be installed onto a weld stud without the use of any tools. The unique head design allows the cable tie to firmly hold bundles as small as 1.6 mm diameter.



The new head design offers additional fixing of soft materials.



T50SOSSBH5E

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Stud Ø	Panel Thickness min.	Panel Thickness max.	Material	Colour
T50SOSSBH5E	165	4.6	35	225	5	-	-	PA66HS	Black (BK)

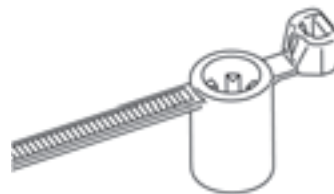
All dimensions in mm. Subject to technical changes.

T50SSBS50TE

Using the 'soft push' technology, this inside serrated tie is mounted on the top of the stud. The additional height gained by this design gives a clear "stand off" from the panel. Ideal applications include mass transit industries, panel builders, and white goods manufacturers.



The T50SSBS50TE allows very precise routing of cable bundles.



T50SSBS50TE

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Stud Ø	Panel Thickness min.	Panel Thickness max.	Material	Colour
T50SSBS50TE*	165	4.6	35	200	5	-	-	PA66HS	Black (BK)

All dimensions in mm. Subject to technical changes.

* Since the bundled cables lie directly above or on the weld stud, care must be taken to ensure that the length of the weld stud does not exceed the height of the sheath. To avoid damage, we recommend a maximum weld stud length of 16.5 mm.

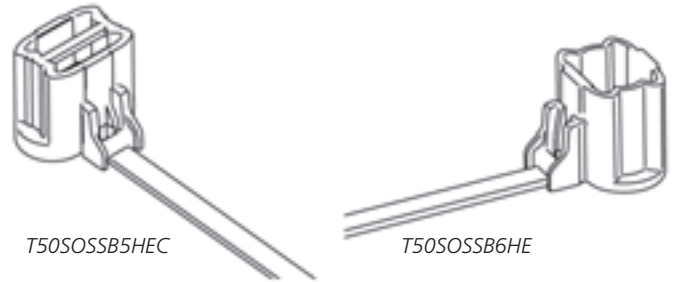
T50SOSSB5HEC

T50SOSSB6 High E

The special oval shape of the fixing on this stud mounted fixing tie provides a 5-6mm lateral adjustment to cater for any misalignment of the stud or incorrect positioning of the tie on the cables. The simple 'soft push' mechanism allows for easier installation onto a weld stud without the use of any tools.

T50SOSSB5E

Providing an especially strong fixing method, the design of this fixing tie offers the 'soft push' mounting technology with the ability to mount the cables very close to the fixing stud. The outside serrations present a smooth surface to the cables preventing chafe and damage to the insulation, especially in mass transit applications.



T50SOSSB5HEC

T50SOSSB6HE

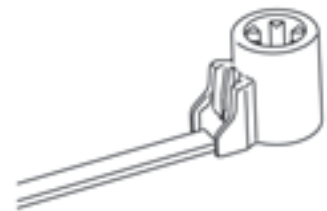


This outside serrated cable tie with weld stud mounting keeps the cables close to the fixing stud.

Technical Table							
Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Stud Ø	Material	Colour
T50SOSSB5HEC	160	4.6	35	170	5	PA66HS	Black (BK)
T50SOSSB6HE	160	4.6	35	170	6	PA66HS	Black (BK)
T50SOSSB5E	160	4.6	35	225	5	PA66HS	Black (BK)
T50SOSSB5-HIGH-E	160	4.6	35	225	5	PA66HS	Black (BK)
T50SOSWSP5E	163	4.6	35	200	5	PA66HS	Black (BK)

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Stud Ø	Material	Colour
T50SOSSB5HEC	160	4.6	35	170	5	PA66HS	Black (BK)
T50SOSSB6HE	160	4.6	35	170	6	PA66HS	Black (BK)
T50SOSSB5E	160	4.6	35	225	5	PA66HS	Black (BK)
T50SOSSB5-HIGH-E	160	4.6	35	225	5	PA66HS	Black (BK)
T50SOSWSP5E	163	4.6	35	200	5	PA66HS	Black (BK)

All dimensions in mm. Subject to technical changes.



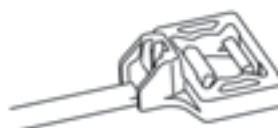
T50SOSSB5E

T50SOSWSP5E

The unique shape of the head on this fixing tie provides a 5-6 mm lateral adjustment to cater for any misalignment of the stud or incorrect positioning of the tie on the cables. The low profile of the fixing allows for several ties to be installed one on top of the other on the same stud, to accommodate different cable routings. This is both space saving and versatile.



T50SOSWSP5E, parallel installation using two fixing ties.



T50SOSWSP5E