



These products are designed to provide restraint in one direction and movement to allow for horizontal expansion and contraction. The Debonding Sleeve is located over the embedment detail to allow the tie to move.

TTDS120 Debonding Sleeve
120mm x 20mm x 2mm
(corrosion-resistant
virgin polypropylene)



TTDSIR100 Debonding Sleeve
100mm x 20mm x 3mm
(corrosion-resistant virgin
polypropylene)



*only for use with TTSM1

TTSSPE Safety Plain End Tie
(Stainless Steel)



TTSM1 Type 1 Debonable
Movement Tie
(Stainless Steel)



*only for use with TTDSIR100

TTSPBS Plain Bracket Slotted
(Stainless Steel)



TTSPB Plain Bracket 3 Hole
(Stainless Steel)



Check that you are using
the most up to date version
of this product information,
scan the QR code.




TTSSPE PRODUCT ATTRIBUTES

Product Category	Movement Tie
Product Description	Safety Plain End Tie
Product Code	TTSSPE
Product Brand Name	S/S Safety Plain End

	TTSSPE125	TTSSPE150	TTSSPE175	TTSSPE200	TTSSPE225	TTSSPE250	TTSSPE275	TTSSPE300	TTSSPE350
Product Finish	Mill Finish								
Length	125mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm	350mm
Material Gauge	19x2mm								
Material	Stainless Steel Grade 304								
Drip Function	N/A								
Packaging Box / Bundle	Box								
Package Qty	250no.								
Tag / Label	Label								
Individual Weight	0.04KG	0.04 KG	0.045 KG	0.05 KG	0.06 KG	0.07 KG	0.08 KG	0.09 KG	0.10KG
Package Weight	10.75KG	12.50 KG	14.25 KG	16 KG	17.75 KG	19.50 KG	21.25 KG	23 KG	24.75KG

To be used in conjunction with TTDS 120mm x 20mm x 2mm debonding sleeve. 250 no. boxed.

Packaging Material 	Cardboard Box Widely Recyclable - Check with your local council guidelines Please visit the Environmental Commitment page here
Storage	Boxes of stainless steel wall ties to be stored indoors, Individual wall ties can be stored outdoors provided they are protected from contamination. Regular checks should be carried out to ensure packaging remains intact, ties remain clean, and there are no signs of corrosion, damage, or foreign material that could affect product quality or performance.
Safe Handling	Please visit the Handling Safety Information page here
Fire Rating	Euroclass A1

DECLARATION OF PERFORMANCE

TecTies Ltd hereby declares that Safety Plain End Tie TTSSPE are in conformity with the provisions of **ZA Annex of EN 845—1 : 2013+A1:2016**

Intended Use

Asymmetrical slip tie for connecting two new leaves of masonry whilst allowing in plane movement

Suitable for

See table below

Notified Body

Lucideon Limited, Queens Road, Penkhull, Stoke on Trent ST4 7LQ Tel. +44 (0)1782 764428

Notified Body Number 1289

Underwritten by TZUS – Prague

Notified Body Number 1020

The system of assessment and verification of constancy of performance for this construction product conforms to **System 3**

TTSSPE Essential Characteristics

	125mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm	350mm
Tensile Load Capacity	1830N								
Shear Strength	2610N								
Water Shedding Capability	Resistant								
Durability	Austenitic Stainless Steel				304 18/8 comp. to BS EN 10088/1				
Minimum Mortar Designation	(iv)								
Minimum Mortar Joint Width	10mm								
Conformity Assessment	UKCA/CE+UKNI marked								


All tested product information is available on request. Please contact us for more information.

TTSPB PRODUCT ATTRIBUTES

Product Category	Movement Tie
Product Description	Plain Bracket 3 Hole
Product Code	TTSPB
Product Brand Name	S/S Plain Bracket

	TTSPB100	TTSPB125	TTSPB150	TTSPB175	TTSPB200	TTSPB225	TTSPB250	TTSPB300
Product Finish	Mill Finish							
Projection	100mm	125mm	150mm	175mm	200mm	225mm	250mm	300mm
Material Gauge	19x2mm							
Material	Stainless Steel Grade 304							
Drip Function	N/A							
Packaging Box / Bundle	Box							
Package Qty	250no.							
Tag / Label	Label							
Individual Weight	0.04 KG	0.05 KG	0.06 KG	0.07 KG	0.08 KG	0.09 KG	0.010 KG	0.012 KG
Package Weight	10 KG	11.75 KG	13.50 KG	15.25 KG	17 KG	18.75 KG	20.50 KG	24 KG

To be used in conjunction with TTDS 120mm x 20mm x 2mm debonding sleeve. 250 no. boxed.

Packaging Material 	Cardboard Box Widely Recyclable - Check with your local council guidelines Please visit the Environmental Commitment page here
Storage	Boxes of stainless steel wall ties to be stored indoors, Individual wall ties can be stored outdoors provided they are protected from contamination. Regular checks should be carried out to ensure packaging remains intact, ties remain clean, and there are no signs of corrosion, damage, or foreign material that could affect product quality or performance.
Safe Handling	Please visit the Handling Safety Information page here
Fire Rating	Euroclass A1

DECLARATION OF PERFORMANCE

TecTies Ltd hereby declares that Plain Bracket TTSPB are in conformity with the provisions of **ZA Annex of EN 845—1 : 2013+A1:2016**

Intended Use

Asymmetrical slip tie for connecting masonry to a vertical structure whilst allowing in plane movement

Suitable for

See table below

Notified Body

Lucideon Limited, Queens Road, Penkhull, Stoke on Trent ST4 7LQ Tel. +44 (0)1782 764428

Notified Body Number 1289

Underwritten by TZUS – Prague

Notified Body Number 1020

The system of assessment and verification of constancy of performance for this construction product conforms to **System 3**

TTSPB Essential Characteristics

	125mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm	350mm
Compressive Load Capacity	N/A								
Tensile Load Capacity	1830N								
Shear Strength	2610N								
Displacement at 1/3 Load - Tensile	1.01mm								
Water Shedding Capability	Resistant								
Durability	Austenitic Stainless Steel				304 18/8 comp. to BS EN 10088/1				
Embedment Depth	62.5mm								
Minimum Mortar Designation	(iv)								
Minimum Mortar Joint Width	10mm								
Conformity Assessment	UKCA/CE+UKNI marked								


All tested product information is available on request. Please contact us for more information.

TTSPBS PRODUCT ATTRIBUTES

Product Category	Movement Tie
Product Description	Plain Bracket Slotted
Product Code	TTSPBS
Product Brand Name	S/S Plain Bracket

	TTSPBS100	TTSPBS150	TTSPBS175	TTSPBS200	TTSPBS225	TTSPBS250
Product Finish	Mill Finish					
Projection	100mm	150mm	175mm	200mm	225mm	250mm
Material Gauge	19x2mm					
Material	Stainless Steel Grade 304					
Drip Function	N/A					
Packaging Box / Bundle	Box					
Package Qty	250no.					
Tag / Label	Label					
Individual Weight	0.04 KG	0.06 KG	0.07 KG	0.08 KG	0.09 KG	0.10 KG
Package Weight	10 KG	12 KG	14 KG	17 KG	19 KG	20 KG

To be used in conjunction with TTDS 120mm x 20mm x 2mm debonding sleeve. 250 no. boxed.

Packaging Material 	Cardboard Box Widely Recyclable - Check with your local council guidelines Please visit the Environmental Commitment page here
Storage	Boxes of stainless steel wall ties to be stored indoors, Individual wall ties can be stored outdoors provided they are protected from contamination. Regular checks should be carried out to ensure packaging remains intact, ties remain clean, and there are no signs of corrosion, damage, or foreign material that could affect product quality or performance.
Safe Handling	Please visit the Handling Safety Information page here
Fire Rating	Euroclass A1

DECLARATION OF PERFORMANCE

TecTies Ltd hereby declares that Plain Bracket Tie TTSPBS are in conformity with the provisions of **ZA Annex of EN 845—1 : 2013+A1:2016**

Intended Use

Asymmetrical slip tie for connecting masonry to a vertical structure whilst allowing in plane movement

Suitable for

See table below

Notified Body

Lucideon Limited, Queens Road, Penkhull, Stoke on Trent ST4 7LQ Tel. +44 (0)1782 764428

Notified Body Number 1289

Underwritten by TZUS – Prague

Notified Body Number 1020

The system of assessment and verification of constancy of performance for this construction product conforms to **System 3**

TTSPBS Essential Characteristics

	100mm	125mm	150mm	175mm	200mm	225mm	250mm
Compressive Load Capacity	N/A						
Tensile Load Capacity	1830N						
Shear Strength	2610N						
Displacement at 1/3 Load - Tensile	1.01mm						
Water Shedding Capability	Resistant						
Durability	Austenitic Stainless Steel 304 18/8 comp. to BS EN 10088/1						
Embedment Depth	62.5mm						
Minimum Mortar Designation	(iv)						
Minimum Mortar Joint Width	10mm						
Conformity Assessment	UKCA/CE+UKNI marked						


All tested product information is available on request. Please contact us for more information.

TTSM1 PRODUCT ATTRIBUTES

Product Category	Debondable Movement Tie
Product Description	S/Steel Type 1 / Safety Movement Tie
Product Code	TTSM1
Product Brand Name	S/Steel Type 1 / Safety Movement Tie

	TTSM1200	TTSM1225	TTSM1250
Product Finish	Mill Finish	Mill Finish	Mill Finish
Length	200mm	225mm	250mm
Material Thickness	19x1mm	19x1mm	19x1mm
Material	Stainless Steel Grade 304	Stainless Steel Grade 304	Stainless Steel Grade 304
Packaging Box / Bundle	Box	Box	Box
Package Qty	250no.	250no.	250no.
Tag / Label	Label	Label	Label
Individual Weight	0.025 KG	0.029 KG	0.033 KG
Package Weight	6.6 KG	7.6 KG	8.5 KG

To be used in conjunction with TTDSIR100 100mm x 20mm x 3mm debonding sleeve. 250 no. boxed.

Packaging Material 	Cardboard Box Widely Recyclable - Check with your local council guidelines Please visit the Environmental Commitment page here
Storage	Boxes of stainless steel wall ties to be stored indoors, Individual wall ties can be stored outdoors provided they are protected from contamination. Regular checks should be carried out to ensure packaging remains intact, ties remain clean, and there are no signs of corrosion, damage, or foreign material that could affect product quality or performance.
Safe Handling	Please visit the Handling Safety Information page here
Fire Rating	Euroclass A1

DECLARATION OF PERFORMANCE

TecTies Ltd hereby declares that the Type 1 Debondable Movement Tie – TTSM1 are in conformity with the provisions of **ZA Annex of EN 845—1 : 2013+A1:2016**

Intended Use

The tie is a shear/slip tie and is symmetrical and movement tolerant when used with a de bonding sleeve as defined in BS EN 845-1:2013+A1:2016 .Can also be used as a safety plain safety tie.

Suitable for

See table below

Notified Body

Lucideon Limited, Queens Road, Penkhull, Stoke on Trent ST4 7LQ Tel. +44 (0)1782 764428

Notified Body Number 1289

Underwritten by TZUS – Prague

Notified Body Number 1020

The system of assessment and verification of constancy of performance for this construction product conforms to **System 3**

TTSM1 Essential Characteristics

MOVEMENT / SHEAR	200mm	225mm	250mm
Shear	Horizontal Direction over gap width of 10mm 1880N		
Displacement at one third of mean capacity (mm)	0.68		
Embedment depth of the tie	62.5 mm		
Embedment depth of the plastic sleeve	100 mm		
Water Shedding Capability	Resistant		
Durability - Material Reference 3	Austenitic Stainless Steel		
Durability - Grade	304 18/8 comp. to BS EN 10088/1		
Minimum Mortar Designation	(iv)		
Minimum Mortar Joint Width	10mm		
Conformity Assessment	UKCA/CE+UKNI marked		
Testing	Tests were carried out by Lucideon Limited (UKAB No. 1289), in accordance with BS EN 846-7:2012: Methods of Test for Ancillary Components for Masonry – Part 7: Determination of Shear Load Capacity and Load Displacement Characteristics of Shear Ties and Slip Ties (couplet test for mortar joint connections).		

All tested product information is available on request. Please contact us for more information.

TTSM1

Insert the tie into the debonding sleeve with a small gap left at the end of the sleeve of 5 to 10mm. This allows for expansion and contraction.

Install with the flat side facing downward and the profile facing upward showing the 62.5 embedment line.



Shown with TTDS1R100

MOVEMENT TIES

The tie is positioned within the debonding sleeve, which covers the relevant portion of the tie to allow free movement as the masonry expands or contracts.

Do not push the movement tie fully to the end of the debonding sleeve.

Instead, maintain a 10 mm gap at the end of the sleeve to ensure the tie can move as intended. Insert the tie and slide it into position until it is visible through the indicator hole provided. Do not insert the tie beyond this point, as doing so will prevent it from functioning correctly.



10mm

Ensure the sleeve-covered end is fully embedded in the mortar within the bed joint.

Shown with TTDS

Installation

TecTies Limited products must be installed in accordance with the relevant product specifications, Declaration of Performance (DOP), and current building regulations to ensure full compliance with performance and safety requirements.

Only competent and trained personnel should carry out installation work. Working in accordance with the current HSE manual handling legislation.

Products must be checked prior to installation to confirm that they are undamaged, of the correct type, and suitable for the intended application. Any damaged or

non-conforming items must not be installed and should be reported immediately to the supplier or site supervisor.

Installation must be carried out using appropriate tools, equipment, and Personal Protective Equipment (PPE). Care should be taken when handling or fitting components with sharp edges or when working at height or in restricted areas.

All products must be installed in line with current building regulations, project specifications, and site safety procedures.

Once installation is complete, the work area should be checked to ensure all fixings are correctly secured, and waste materials are recycled or disposed of safely and responsibly.