

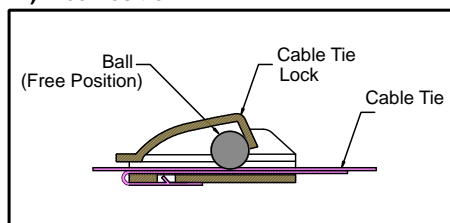
## Product Technical Data Sheet - Stainless Steel Cable Ties

### Stainless Steel Roller Ball Ties

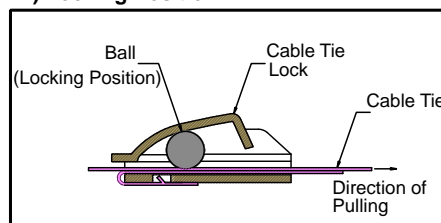
- Roller ball stainless steel cable ties
- Self locking design for fast and secure installation.
- Fully enclosed head prevents dirt or grit from interfering with locking mechanism.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- 316 Stainless Steel
- Ideal for applications where corrosion, vibration, radiation or extremes of temperature are a concern.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +500°C



1) Free Position



2) Locking Position



Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SST1316	150	4.6	0.25	43	667
SST2316	200	4.6	0.25	59	667
SST3316*	260	4.6	0.25	78	667
SST3816*	300	4.6	0.25	85	667
SST4316	360	4.6	0.25	110	667
SST5316	520	4.6	0.25	161	667
SST6316*	680	4.6	0.25	200	667
SST2316H	200	7.9	0.25	59	1335
SST3816H*	300	7.9	0.25	85	1335
SST4316H	360	7.9	0.25	110	1335
SST5316H	520	7.9	0.25	161	1335
SST6316H*	680	7.9	0.25	200	1335
SST8316H	840	7.9	0.25	250	1335
SST10316H	1000	7.9	0.25	300	1335

## Black Polyester Coated Stainless Steel ties

- Roller ball stainless steel cable ties
- Self locking design for fast and secure installation.
- Fully enclosed head prevents dirt or grit from interfering with locking mechanism.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- Pure polyester coated 316 Stainless Steel.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +150°C.



Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SSTC0316	100	4.6	0.25	18	667
SSTC1316	150	4.6	0.25	43	667
SSTC2316	200	4.6	0.25	59	667
SSTC3316*	260	4.6	0.25	78	667
SSTC3816*	300	4.6	0.25	85	667
SSTC4316	360	4.6	0.25	110	667
SSTC5316	520	4.6	0.25	161	667
SSTC6316*	680	4.6	0.25	200	667
SSTC2316H	200	7.9	0.25	59	1335
SSTC3316H*	260	7.9	0.25	78	1335
SSTC3816H*	300	7.9	0.25	85	1335
SSTC4316H	360	7.9	0.25	110	1335
SSTC5316H	520	7.9	0.25	161	1335
SSTC6316H*	680	7.9	0.25	200	1335
SSTC8316H	840	7.9	0.25	250	1335
SSTC10316H	1000	7.9	0.25	300	1335

## Red Polyester Coated Stainless Steel ties

Ideal for fire alarm installation.

(Specifications as black coated SSTC cable ties)



Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SSTRC2316*	200	4.6	0.3	59	667
SSTRC4316*	360	4.6	0.3	110	667

## Spring Type Stainless Steel Roller Ball Ties

- Roller ball stainless steel cable ties with a spring form that maintains greater installed tension on non-resilient objects.
- Self locking design for fast and secure installation.
- Fully enclosed head prevents dirt or grit from interfering with locking mechanism.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- 316 Stainless Steel
- Ideal for applications where tension on solid objects must be maintained.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +500°C (coated up to 150°C)



### Uncoated

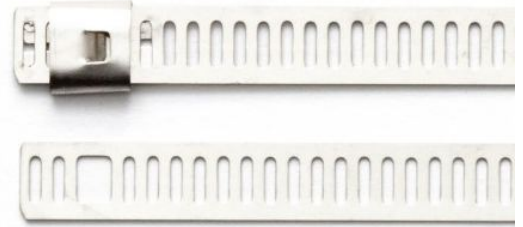
Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SSTZ2316	200	4.6	0.25	59	667
SSTZ3316	260	4.6	0.25	78	667
SSTZ3816	300	4.6	0.25	85	667
SSTZ4316	360	4.6	0.25	110	667
SSTZ5316	520	4.6	0.25	161	667
SSTZ2316H	200	7.6	0.25	59	1335
SSTZ3316H	260	7.6	0.25	78	1335
SSTZ3816H	300	7.6	0.25	85	1335
SSTZ4316H	360	7.6	0.25	110	1335
SSTZ5316H	520	7.6	0.25	161	1335

### Black Polyester coated

Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SSTCZ2316	200	4.6	0.25	59	667
SSTCZ3316	260	4.6	0.25	78	667
SSTCZ3816	300	4.6	0.25	85	667
SSTCZ4316	360	4.6	0.25	110	667
SSTCZ5316	520	4.6	0.25	161	667
SSTCZ2316H	200	7.6	0.25	59	1335
SSTCZ3316H	260	7.6	0.25	78	1335
SSTCZ3816H	300	7.6	0.25	85	1335
SSTCZ4316H	360	7.6	0.25	110	1335
SSTCZ5316H	520	7.6	0.25	161	1335

## Ladder Type Stainless Steel Ties (Uncoated)

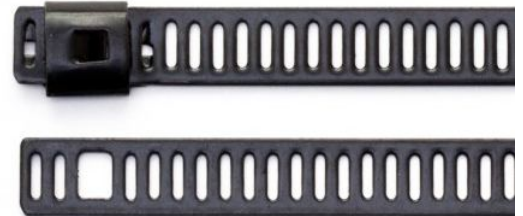
- Self locking design for fast and secure installation.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- 316 Stainless Steel
- Ideal for applications where corrosion, vibration, radiation or extremes of temperature are a concern.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +500°C.



Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SSLT2316	200	7.0	0.3	64	667
SSLT3316	250	7.0	0.3	80	667
SSLT3816	300	7.0	0.3	96	667
SSLT4316	360	7.0	0.3	114	667
SSLT4816	450	7.0	0.3	142	667

## Ladder Type Stainless Steel Ties (Black Coated)

- Self locking design for fast and secure installation.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- Pure Polyester coated 316 Stainless Steel.
- Ideal for applications where corrosion, vibration, radiation or extremes of temperature are a concern.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +150°C.



Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness		
SSLTC2316	200	7.0	0.3	64	667
SSLTC3316	250	7.0	0.3	80	667
SSLTC3816	300	7.0	0.3	96	667
SSLTC4316	360	7.0	0.3	114	667
SSLTC4816	450	7.0	0.3	142	667

## Releasable, Stainless Steel, Black PPA Coated Cable Ties

- Releasable heads which can be reused many times over a long period of time.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- 316 Stainless Steel. Surface coating PPA571.
- PPA571 is a thermoplastic powder coating based on an alloy of acid modified polyolefin's.
- Designed to provide a long lasting coating for exterior applications.
- Resistant to UV, weather.
- Temperature range - 80°C to +150°C.
- Remains flexible at - 80°C.
- Resistant to stress cracking on bending. (Elongation to break up to 800%)
- Excellent resistance to salt, sands, acids temperature variations and chemicals.
- Halogen free, flame retardant and non toxic.
- Water absorption free.



Part Number	Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)
	Length	Width	Thickness*		
RSST-PPA100*	100	6.35	1.1	18	1469
RSST-PPA150	150	6.35	1.1	38	1469
RSST-PPA229*	229	6.35	1.1	63	1469
RSST-PPA305	305	6.35	1.1	86	1469
RSST-PPA457	457	6.35	1.1	137	1469
RSST-PPA457HD	457	9.53	1.1	137	2003
RSST-PPA610HD*	610	9.53	1.1	180	2003

\* Thickness includes coating Base material thickness 0.5mm

## Properties of 316 Stainless Steel

AISI Type Number		SS 316
Specification Equivalents	UNS	S31600
	BS	316S31
	Euronorm	W.No: 1.4401
		Name: X5CrNiMo17-12-2
	France	AFNOR Z 6 CND 17.11
	Swedish	SS2347
	JIS	SUS316
Composition	Carbon - % C	0.08 Max
	Chromium - % Cr	16.0-18.0
	Manganese - % Mn	2.0 Max
	Molybdenum - % Mo	2.0-3.0
	Nickel - % Ni	10.0-14.0
	Nitrogen - % N	0.10 Max
	Phosphorous - % P	0.045 Max
	Silicon - % Si	0.75 Max
	Sulphur - % S	0.03 Max
Mechanical Properties	Molecular Structure	Austenitic
	Density kg/m <sup>3</sup>	8000 (at 25°C)
	Elastic Modulus (GPa)	193 (at 25°C)
	Tensile Strength (Mpa)	515
	Yield Strength (Mpa)	205
	Elongation (% Min)	40
	Hardness (HRB Max)	95 (at 25°C)
Mean Coefficient of Thermal Expansion	0-100°C	15.9
	0-315°C	16.2
	0-538°C	17.5
Electrical Properties	Magnetism	Non-Magnetic
	Electrical Resistivity (10 <sup>-6</sup> Ω-m)	740 (at 25°C)

### Approvals

UL: Underwriters laboratory listed, File Number E475484

DNV: Det Norsk Veritas Type approval number E-11498



REACH Compliant



RoHS Compliant

