



BB Tees Inc.

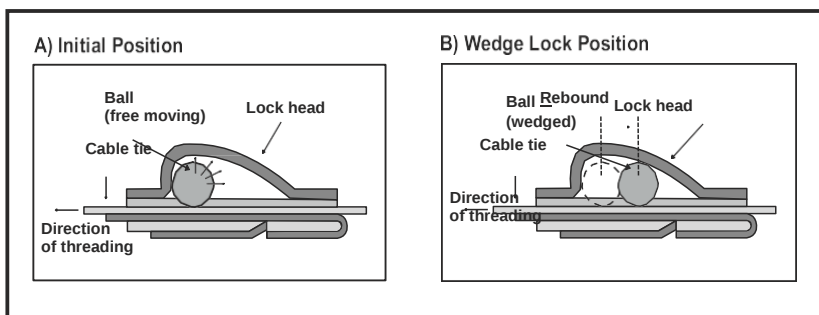
1-888-390-1879



Stainless Steel Cable Ties Technical Data

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: -110°F to +1000°F



Part Number	Dimensions (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness	Diameter (Inch/mm)	Tensile Strength (lb/N)
SST1316	5.9/150	.181/4.6	.009/0.25	1.7/43	150/667
SST2316	7.8/200	.181/4.6	.009/0.25	2.3/59	150/667
SST3316	10.2/260	.181/4.6	.009/0.25	3.0/78	150/667
SST3816	11.8/300	.181/4.6	.009/0.25	3.3/85	150/667
SST4316	14.1/360	.181/4.6	.009/0.25	4.3/110	150/667
SST5316	20.4/520	.181/4.6	.009/0.25	6.3/161	150/667
SST6316	26.7/680	.181/4.6	.009/0.25	7.8/200	150/667
SST2316H	7.8/200	.311/7.9	.009/0.25	2.3/59	300/1335
SST3816H	11.8/300	.311/7.9	.009/0.25	3.3/85	300/1335
SST4316H	14.1/360	.311/7.9	.009/0.25	4.3/110	300/1335
SST5316H	20.4/520	.311/7.9	.009/0.25	6.3/161	300/1335
SST6316H	26.7/680	.311/7.9	.009/0.25	7.8/200	300/1335

Black Polyester Coated Stainless Steel ties

- Roller ball stainless steel cable ties.
- Self locking design for fast and secure installaton.
- 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: -110°F to +302°F.



Part Number	Dimensions (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness	Diameter (Inch/mm)	Tensile strength (lb/N)
SSTC1316	5.9/150	.181/4.6	.009/0.25	1.7/43	150/667
SSTC2316	7.8/200	.181/4.6	.009/0.25	2.3/59	150/667
SSTC3316	10.2/260	.181/4.6	.009/0.25	3.0/78	150/667
SSTC3816	11.8/300	.181/4.6	.009/0.25	3.3/85	150/667
SSTC4316	14.1/360	.181/4.6	.009/0.25	4.3/110	150/667
SSTC5316	20.4/520	.181/4.6	.009/0.25	6.3/161	150/667
SSTC6316	26.7/680	.181/4.6	.009/0.25	7.8/200	150/667
SSTC2316H	7.8/200	.311/7.9	.009/0.25	2.3/59	300/1335
SSTC3316H	10.2/260	.311/7.9	.009/0.25	3.0/78	300/1335
SSTC3816H	11.8/300	.311/7.9	.009/0.25	3.3/85	300/1335
SSTC4316H	14.1/360	.311/7.9	.009/0.25	4.3/110	300/1335
SSTC5316H	20.4/520	.311/7.9	.009/0.25	6.3/161	300/1335
SSTC6316H	26.7/680	.311/7.9	.009/0.25	7.8/200	300/1335

Red Polyester Coated Stainless Steel ties

Ideal for fire alarm installation.

Specifications are the same as black coated cable ties (above)



Part Number	Dimensions (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness	Diameter (Inch/mm)	Tensile strength (lb/N)
SSTRC2316	7.8/200	.181/4.6	.012/0.3	2.3/59	150/667
SSTRC4316	14.1/360	.181/4.6	.012/0.3	4.3/110	150/667

Ladder Type Stainless Steel Ties (Uncoated)

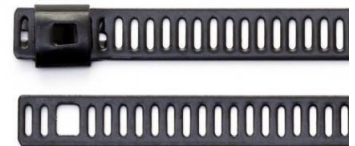
- Self locking design for fast and secure installaton.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- **316 Stainless Steel.**
- Ideal for applications where corrosion, vibration, radiation or extremes of temperature are a concern.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -110°F to +1000°F.



Part Number	Dimensions (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness	Diameter (Inch/mm)	Tensile strength (lb/N)
SSLT2316	7.8/200	.275/7.0	.12/0.3	2.5/64	150/667
SSLT3316	9.8/250	.275/7.0	.12/0.3	3.1/80	150/667
SSLT3816	11.8/300	.275/7.0	.12/0.3	3.8/96	150/667
SSLT4316	14.1/360	.275/7.0	.12/0.3	4.5/114	150/667
SSLT4816	17.7/450	.275/7.0	.12/0.3	5.6/142	150/667
SSLT5316	23.6/600	.275/7.0	.12/0.3	7.3/185	150/667
SSLT7316	30.7/780	.275/7.0	.12/0.3	9.4/240	150/667

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: -110°F to +302°F.



Part Number	Dimensions (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness	Diameter (Inch/mm)	Tensile strength (lb/N)
SSLTC2316	7.8/200	.275/7.0	.012/0.3	2.5/64	150/667
SSLTC3316	9.8/250	.275/7.0	.012/0.3	3.1/80	150/667
SSLTC3816	11.8/300	.275/7.0	.012/0.3	3.8/96	150/667
SSLTC4316	14.1/360	.275/7.0	.012/0.3	4.5/114	150/667
SSLTC4816	17.7/450	.275/7.0	.012/0.3	5.6/142	150/667
SSLTC5316	23.6/600	.275/7.0	.012/0.3	7.3/185	150/667
SSLTC7316	30.7/780	.275/7.0	.012/0.3	9.4/240	150/667

Releasable, Stainless Steel, Black Polyester 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.
- Pure polyester coated **316 Stainless Steel**.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -110°F to +302°F.



Part Number	Dimensions (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness*	Diameter (Inch/mm)	Tensile strength (lb/N)
RSST-PP150	5.9/150	0.25/6.35	.043/1.1	1.5/38	300/1334
RSST-PP229	9.0/229	0.25/6.35	.043/1.1	2.5/63	300/1334
RSST-PP305	12/305	0.25/6.35	.043/1.1	3.4/86	300/1334
RSST-PP457	19/457	0.25/6.35	.043/1.1	5.4/137	300/1334

*Thickness includes coating - Base material thickness 0.02"/0.5mm

Releasable, Stainless Steel, PPACoated Cable Ties

- **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 -110°F.
- 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 (Inch/mm)			Max Bundle	Minimum Loop
	Length	Width	Thickness*	Diameter (Inch/mm)	Tensile strength (lb/N)
RSST-PPA150	5.9/150	0.25/6.35	.043/1.1	1.5/38	330/1469
RSST-PPA229	9.0/229	0.25/6.35	.043/1.1	2.5/63	330/1469
RSST-PPA305	12/305	0.25/6.35	.043/1.1	3.4/86	330/1469
RSST-PPA457	19/457	0.25/6.35	.043/1.1	5.4/137	330/1469
RSST-PPA457H	19/457	0.37/9.53	.043/1.1	5.4/137	450/2003

* Thickness includes coating - Base material thickness 0.02"/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	0.29 lbs/in ³ 7.99 g/cm ³
	Elastic Modulus (GPa)	193 (at 77°F/ 25°C)
	Tensile Strength (Mpa)	515
	Yield Strength (Mpa)	205
	Elongation (% Min)	40
	Hardness (HRB Max)	95 (at 77°F/25°C)
Mean Coefficient of Thermal Expansion	32-212°F (0-100°C)	15.9
	32-600°F (0-315°C)	16.2
	32-1000°F (0-538°C)	17.5
Electrical Properties	Magnetism	Non-Magnetic
	Electrical Resistivity $\mu\Omega$ -in ($\mu\Omega$ -cm)	29.4 (74) (at 68°F/20°C)

Approvals

UL: Underwriters laboratory listed, File Number E475484
ABS: Certificate Number: 14-YO1283014-PDA
DNV: Det Norsk Veritas Type approval number E-6729

