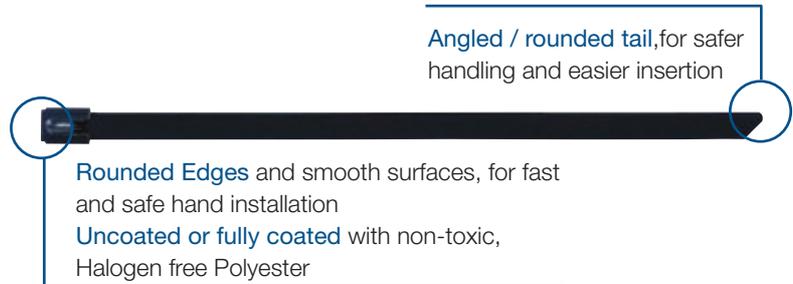


# Ty-Met™ Stainless steel cable ties

## Features and Benefits

### Ball-Lock Type

Easy application and strong self-locking mechanism (steel ball), with low insertion force



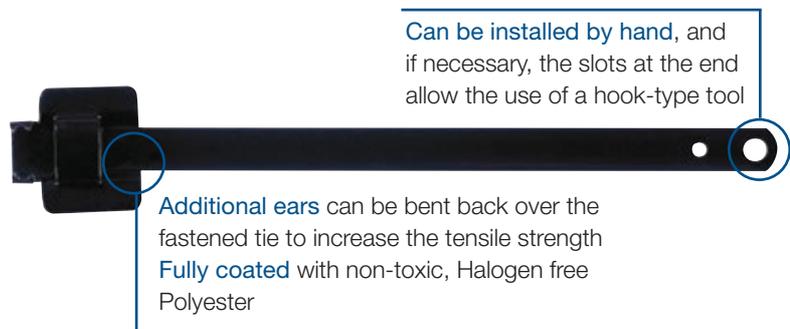
### Ladder Type

Self-locking mechanism (pawl and ratchet)



### Releasable Type

The unique buckle design allows the tie to be unfastened for re-use



UV-resistant



Heat resistant



Low temperature flexibility



Weather-proof



Flame retardant



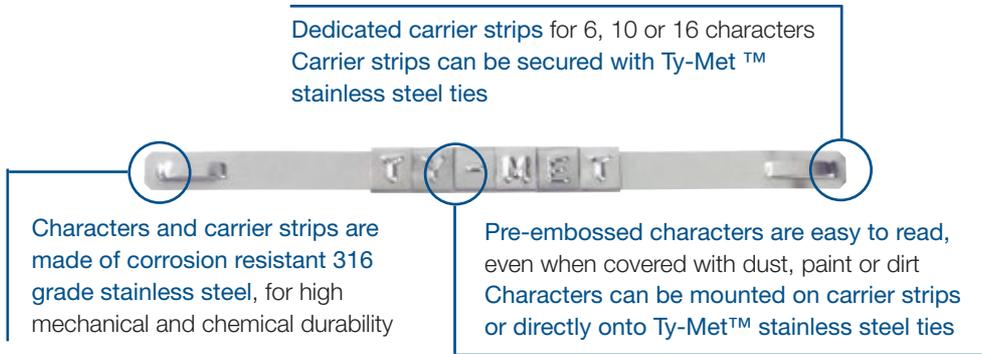
Chemically resistant



Radiation resistant

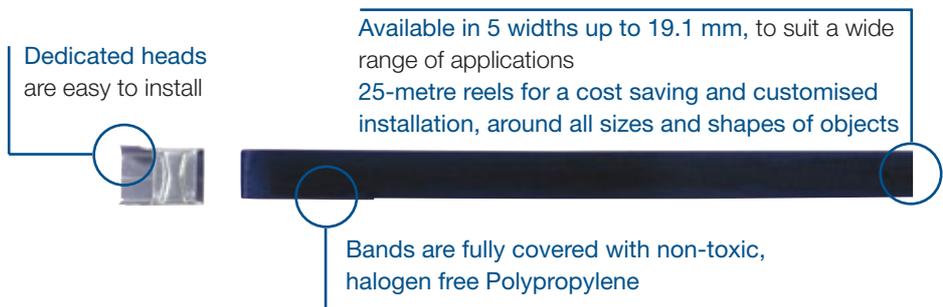
## ID System

Durable identification system for tough environments and extreme conditions, indoor and outdoor



## Bands on Reel with Separate Heads

Bands and separate heads are made of corrosion resistant 316 grade stainless steel, for high mechanical and chemical durability



# Ty-Met™ Stainless steel cable ties

## Ball-Lock Type – Standard widths, uncoated

### Characteristics

The Ball-Lock Type stainless steel ties from ABB are self-locking, requiring no time consuming crimping or folding operations.

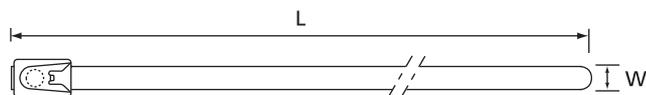
- Strong self-locking mechanism (stainless steel ball), with low insertion force
- Fast, easy and reliable installation
- Standard widths (4.6 mm & 7.9 mm), suitable for most applications, indoor and outdoor
- Uncoated version, suitable for high temperature environments
- 2 grades of non-magnetic stainless steel: 304 grade for standard applications and 316 grade (marine grade) for extra corrosion resistance
- Applications: installation of cables and pipes in extreme conditions and hazardous areas, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	A. 304 grade non-magnetic stainless steel B. 316 grade non-magnetic stainless steel
Temperature range	-40°C to +300°C
Colour	Metallic
Flammability rating	Absolutely fireproof
Other properties	UV-resistant



Product Ref. Stainless steel 304	Product Ref. Stainless steel 316	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strength [N]	Quantity [pieces]	Tooling
YLS-4.6-100A	YLS-4.6-100B	100	4.6	0.26	20-25	778	100	
YLS-4.6-125A	YLS-4.6-125B	125	4.6	0.26	20-25	778	100	
YLS-4.6-150A	YLS-4.6-150B	150	4.6	0.26	20-35	778	100	
YLS4.6-200A	YLS4.6-200B	200	4.6	0.26	20-50	778	100	
YLS-4.6-300A	YLS-4.6-300B	300	4.6	0.26	20-83	778	100	
YLS4.6-360A	YLS4.6-360B	360	4.6	0.26	20-100	778	100	
YLS4.6-520A	YLS-4.6-520B	520	4.6	0.26	20-150	778	100	
YLS-4.6-680A	YLS-4.6-680B	680	4.6	0.26	20-200	778	100	
YLS-4.6-840A	YLS-4.6-840B	840	4.6	0.26	20-250	778	100	
YLS-4.6-1000A	YLS-4.6-1000B	1000	4.6	0.26	20-300	778	100	
YLS-4.6-1200A	YLS-4.6-1200B	1200	4.6	0.26	20-365	778	100	
YLS-4.6-1400A	YLS-4.6-1400B	1400	4.6	0.26	20-425	778	100	
YLS-7.9-100A	YLS-7.9-100B	100	7.9	0.26	20-20	1112	100	CT3
YLS-7.9-125A	YLS-7.9-125B	125	7.9	0.26	20-22	1112	100	CT6
YLS-7.9-150A	YLS-7.9-150B	150	7.9	0.26	20-35	1112	100	
YLS7.9-200A	YLS-7.9-200B	200	7.9	0.26	20-50	1112	100	
YLS-7.9-300A	YLS-7.9-300B	300	7.9	0.26	20-83	1112	100	
YLS7.9-360A	YLS-7.9-360B	360	7.9	0.26	20-100	1112	100	
YLS7.9-520A	YLS-7.9-520B	520	7.9	0.26	20-150	1112	100	
YLS-7.9-680A	YLS-7.9-680B	680	7.9	0.26	20-200	1112	100	
YLS-7.9-840A	YLS-7.9-840B	840	7.9	0.26	20-250	1112	100	
YLS-7.9-1000A	YLS-7.9-1000B	1000	7.9	0.26	20-300	1112	100	
YLS-7.9-1200A	YLS-7.9-1200B	1200	7.9	0.26	20-365	1112	100	
YLS-7.9-1400A	YLS-7.9-1400B	1400	7.9	0.26	20-425	1112	100	



\* Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations

# Ty-Met™ Stainless steel cable ties

## Ball-Lock Type – Standard widths, fully coated

### Characteristics

The Ball-Lock Type stainless steel ties from ABB are self-locking, requiring no time consuming crimping or folding operations.

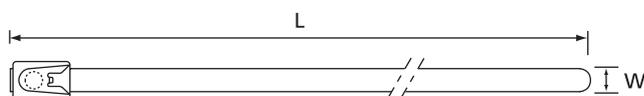
- Strong self-locking mechanism (stainless steel ball), with low insertion force
- Fast, easy and reliable installation
- Standard widths (4.6 mm & 7.9 mm), suitable for most applications, indoor and outdoor
- Corrosion resistant 316 grade stainless steel (marine grade) for high mechanical and chemical durability
- Fully coated version with non-toxic, halogen free Polyester coating, for a superior protection of cables and installer's hands and for an improved insulation between dissimilar materials.
- Applications: installation of cables and pipes in extreme conditions and hazardous areas, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	316 grade non-magnetic stainless steel
Coating	Polyester
Temperature range	-40°C to +165°C
Colour	Black
Flammability rating	Absolutely fireproof
Other properties	UV-resistant, Halogen free, non toxic



Product Ref.	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
YLS-4.6-100BC	100	4.6	0.36	20-25	778	100	CT3 CT6
YLS-4.6-125BC	125	4.6	0.36	20-25	778	100	
YLS-4.6-150BC	150	4.6	0.36	20-35	778	100	
YLS-4.6-200BC	200	4.6	0.36	20-50	778	100	
YLS-4.6-300BC	300	4.6	0.36	20-83	778	100	
YLS-4.6-360BC	360	4.6	0.36	20-100	778	100	
YLS-4.6-520BC	520	4.6	0.36	20-150	778	100	
YLS-4.6-680BC	680	4.6	0.36	20-200	778	100	
YLS-4.6-840BC	840	4.6	0.36	20-250	778	100	
YLS-4.6-1000BC	1000	4.6	0.36	20-300	778	100	
YLS-4.6-1200BC	1200	4.6	0.36	20-365	778	100	
YLS-4.6-1400BC	1400	4.6	0.36	20-425	778	100	
YLS-7.9-100BC	100	7.9	0.36	20-20	1112	100	
YLS-7.9-125BC	125	7.9	0.36	20-22	1112	100	
YLS-7.9-150BC	150	7.9	0.36	20-35	1112	100	
YLS-7.9-200BC	200	7.9	0.36	20-50	1112	100	
YLS-7.9-300BC	300	7.9	0.36	20-83	1112	100	
YLS-7.9-360BC	360	7.9	0.36	20-100	1112	100	
YLS-7.9-520BC	520	7.9	0.36	20-150	1112	100	
YLS-7.9-680BC	680	7.9	0.36	20-200	1112	100	
YLS-7.9-840BC	840	7.9	0.36	20-250	1112	100	
YLS-7.9-1000BC	1000	7.9	0.36	20-300	1112	100	
YLS-7.9-1200BC	1200	7.9	0.36	20-365	1112	100	
YLS-7.9-1400BC	1400	7.9	0.36	20-425	1112	100	



\* Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations

# Ty-Met™ Stainless steel cable ties

## Ball-Lock Type – Heavy-duty ties, uncoated

### Characteristics

The Ball-Lock Type stainless steel ties from ABB are self-locking, requiring no time consuming crimping or folding operations.

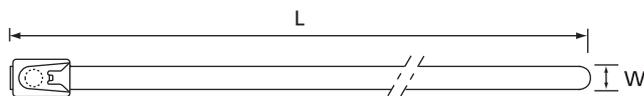
- Strong self-locking mechanism (stainless steel ball), with low insertion force
- Fast, easy and reliable installation
- Heavy-duty version (12 mm & 16 mm of width), for extreme applications, indoor and outdoor
- Uncoated version, suitable for high temperature environments
- Corrosion resistant 316 grade stainless steel (marine grade) for high mechanical and chemical durability
- Applications: installation of cables and pipes in extreme conditions and hazardous areas, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	316 grade non-magnetic stainless steel
Temperature range	-40°C to +300°C
Colour	Metallic
Flammability rating	Absolutely fireproof
Other properties	UV-resistant



Product Ref.	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
YLS-12-200B	200	12.0	0.32	25-50	1117	50	CT3 CT7
YLS-12-300B	300	12.0	0.32	25-83	1117	50	
YLS-12-360B	360	12.0	0.32	25-100	1117	50	
YLS-12-440B	440	12.0	0.32	25-125	1117	50	
YLS-12-520B	520	12.0	0.32	25-150	1117	50	
YLS-12-600B	600	12.0	0.32	25-175	1117	50	
YLS-12-680B	680	12.0	0.32	25-200	1117	50	
YLS-12-760B	760	12.0	0.32	25-225	1117	50	
YLS-12-840B	840	12.0	0.32	25-250	1117	50	
YLS-12-1000B	1000	12.0	0.32	25-300	1117	25	
YLS-12-1200B	1200	12.0	0.32	25-365	1117	25	
YLS-12-1400B	1400	12.0	0.32	25-425	1117	25	
YLS-16-200B	200	16.0	0.32	40-50	4005	50	CT7
YLS-16-300B	300	16.0	0.32	40-80	4005	50	
YLS-16-360B	360	16.0	0.32	40-100	4005	50	
YLS-16-440B	440	16.0	0.32	40-125	4005	50	
YLS-16-520B	520	16.0	0.32	40-150	4005	50	
YLS-16-600B	600	16.0	0.32	40-185	4005	50	
YLS-16-680B	680	16.0	0.32	40-200	4005	50	
YLS-16-760B	760	16.0	0.32	40-225	4005	50	
YLS-16-840B	840	16.0	0.32	40-250	4005	50	
YLS-16-1000B	1000	16.0	0.32	40-300	4005	25	
YLS-16-1200B	1200	16.0	0.32	40-365	4005	25	
YLS-16-1400B	1400	16.0	0.32	40-425	4005	25	



\* Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations

# Ty-Met™ Stainless steel cable ties

## Ball-Lock Type – Heavy-duty ties, fully coated

### Characteristics

The Ball-Lock Type stainless steel ties from ABB are self-locking, requiring no time consuming crimping or folding operations.

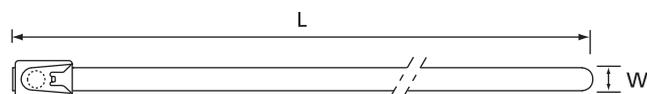
- Strong self-locking mechanism (stainless steel ball), with low insertion force
- Fast, easy and reliable installation
- Heavy-duty version (12 mm & 16 mm of width), for extreme applications, indoor and outdoor
- Corrosion resistant 316 grade stainless steel (marine grade) for high mechanical and chemical durability
- Fully coated version with non-toxic, halogen free Polyester coating, for a superior protection of cables and installer's hands and for an improved insulation between dissimilar materials
- Applications: installation of cables and pipes in extreme conditions and hazardous areas, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	316 grade non-magnetic stainless steel
Coating	Black Polyester
Temperature range	-40°C to +165°C
Flammability rating	Absolutely fireproof
Other properties	UV-resistant, Halogen free, non toxic



Product Ref.	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strenght [N]	Quantity [pieces]	Tooling
YLS-12-200BC	200	12.0	0.42	25-50	1335	50	CT3 CT7
YLS-12-300BC	300	12.0	0.42	25-83	1335	50	
YLS-12-360BC	360	12.0	0.42	25-100	1335	50	
YLS-12-440BC	440	12.0	0.42	25-125	1335	50	
YLS-12-520BC	520	12.0	0.42	25-150	1335	50	
YLS-12-600BC	600	12.0	0.42	25-175	1335	50	
YLS-12-680BC	680	12.0	0.42	25-200	1335	50	
YLS-12-760BC	760	12.0	0.42	25-225	1335	50	
YLS-12-840BC	840	12.0	0.42	25-250	1335	50	
YLS-12-1000BC	1000	12.0	0.42	25-300	1335	25	
YLS-12-1200BC	1200	12.0	0.42	25-365	1335	25	
YLS-12-1400BC	1400	12.0	0.42	25-425	1335	25	
YLS-16-200BC	200	16.0	0.42	40-50	2002	50	CT7
YLS-16-300BC	300	16.0	0.42	40-80	2002	50	
YLS-16-360BC	360	16.0	0.42	40-100	2002	50	
YLS-16-440BC	440	16.0	0.42	40-125	2002	50	
YLS-16-520BC	520	16.0	0.42	40-150	2002	50	
YLS-16-600BC	600	16.0	0.42	40-185	2002	50	
YLS-16-680BC	680	16.0	0.42	40-200	2002	50	
YLS-16-760BC	760	16.0	0.42	40-225	2002	50	
YLS-16-840BC	840	16.0	0.42	40-250	2002	50	
YLS-16-1000BC	1000	16.0	0.42	40-300	2002	25	
YLS-16-1200BC	1200	16.0	0.42	40-365	2002	25	
YLS-16-1400BC	1400	16.0	0.42	40-425	2002	25	



# Ty-Met™ Stainless steel cable ties

## Ladder Type – Uncoated

### Characteristics

The Ladder Type stainless steel ties from ABB have a flat, low profile head for easy application.

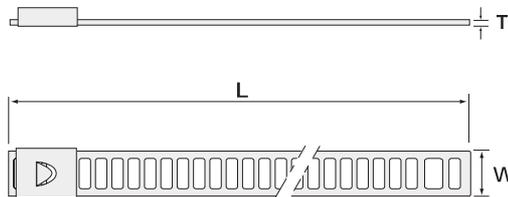
- Strong self-locking mechanism (pawl and ratchet), requires no time consuming crimping or folding operations
- Flat and low profile head (no sharp edge), for easy installation
- Corrosion resistant 316 grade stainless steel for high mechanical and chemical durability
- Uncoated version for high temperature applications
- Increased usable length (slots up to the end of the tail), allows larger bundle diameters with the same tie length
- Larger slot at the end, allows the use of a hook-type tool
- Applications: Installation of cables and pipes in extreme conditions and hazardous areas, indoor and outdoor, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	316 grade stainless steel
Coating	Uncoated
Temperature range	-40°C to +300°C
Colour	Metallic
Flammability rating	Absolutely fireproof
Other properties	UV-resistant



Product Ref.	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strength [N]	Quantity [pieces]	Tooling
YLD-7-150-B	150	7.0	0.30	20-45	529	100	CT1-TB CT2-TB CT3 CT4-TB CT5 WT3S
YLD-7-225-B	225	7.0	0.30	20-70	529	100	
YLD-7-300-B	300	7.0	0.30	20-95	529	100	
YLD-7-450-B	450	7.0	0.30	20-140	529	100	
YLD-7-610-B	610	7.0	0.30	20-190	529	100	
YLD-12-150-B	150	12.0	0.35	20-43	529	100	
YLD-12-225-B	225	12.0	0.35	20-60	529	100	
YLD-12-300-B	300	12.0	0.35	20-80	529	100	
YLD-12-450-B	450	12.0	0.35	20-135	529	100	
YLD-12-610-B	610	12.0	0.35	20-185	529	100	



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# Ty-Met™ Stainless steel cable ties

## Ladder Type – Fully coated

### Characteristics

The Ladder Type stainless steel ties from ABB have a flat, low profile head for easy application.

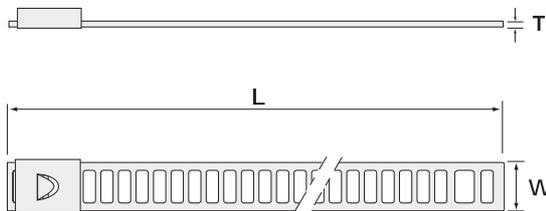
- Strong self-locking mechanism (pawl and ratchet), requires no time consuming crimping or folding operations
- Flat and low profile head (no sharp edge), for easy installation
- Corrosion resistant 316 grade stainless steel for high mechanical and chemical durability
- Fully coated version with non-toxic, Halogen free Polyester coating, for a superior protection of cables and installer's hands and for an improved insulation between dissimilar materials
- Increased usable length (slots up to the end of the tail), allows larger bundle diameters with the same tie length
- Larger slot at the end, allows the use of a hook-type tool
- Applications: Installation of cables and pipes in extreme conditions and hazardous areas, indoor and outdoor, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	316 grade stainless steel
Coating	Polyester
Temperature range	-60°C to +165°C
Colour	Black
Flammability rating	Absolutely fireproof
Other properties	UV-resistant, Halogen free, non-toxic



Product Ref.	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strength [N]	Quantity [pieces]	Tooling
YLD-7-150-BC	150	7.0	0.41	20-45	778	100	CT1-TB CT2-TB CT3 CT4-TB CT5 WT3S
YLD-7-225-BC	225	7.0	0.41	20-70	778	100	
YLD-7-300-BC	300	7.0	0.41	20-95	778	100	
YLD-7-450-BC	450	7.0	0.41	20-140	778	100	
YLD-7-610-BC	610	7.0	0.41	20-190	778	100	
YLD-12-150-BC	150	12.0	0.46	20-43	778	100	
YLD-12-225-BC	225	12.0	0.46	20-60	778	100	
YLD-12-300-BC	300	12.0	0.46	20-80	778	100	
YLD-12-450-BC	450	12.0	0.46	20-135	778	100	
YLD-12-610-BC	610	12.0	0.46	20-185	778	100	



\* Some approvals may not be applicable to all the Product References. Contact your Sales Office for approvals limitations

# Ty-Met™ Stainless steel cable ties

## Releasable Type

### Characteristics

The Releasable Type stainless steel ties from ABB have a unique buckle design that allows the ties to be unfastened for re-use.

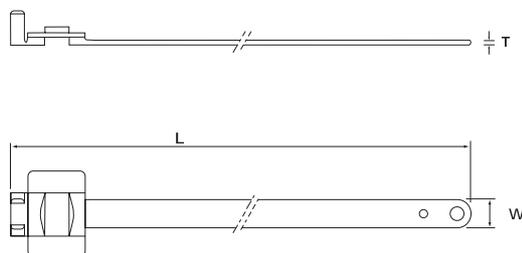
- Releasable and re-usable
- Corrosion resistant 316 grade stainless steel for high mechanical and chemical durability
- Fully coated version with non-toxic, Halogen free Polyester coating, for a superior protection of cables and installer's hands and for an improved insulation between dissimilar materials
- Fast, easy and reliable installation - can be installed by hand and if necessary, the slots at the end of the tie allow the use of a hook-type tool
- The additional ears can be bent back over the fastened tie to increase the tensile strength
- Applications: Installation of cables and pipes in extreme conditions and hazardous areas, indoor and outdoor, such as: petrochemical and food processing industries, power stations, mining, shipbuilding, offshore and other aggressive environments

### Technical Information

Material	316 grade stainless steel
Coating	Polyester
Temperature range	-60°C to +165°C
Colour	Black
Flammability rating	Absolutely fireproof
Other properties	UV-resistant, Halogen free, non-toxic



Product Ref.	Length L [mm]	Width W [mm]	Material thickness [mm]	Bundle ø from... to [mm]	Min. tensile strength [N]	Quantity [pieces]	Tooling
YRL-5-150-BC	150	5.0	0.61	30-36	1300	100	CT1-TB CT2-TB CT4-TB
YRL-5-230-BC	230	5.0	0.61	30-60	1300	100	
YRL-5-330-BC	330	5.0	0.61	30-95	1300	100	
YRL-5-450-BC	450	5.0	0.61	30-130	1300	100	
YRL-5-650-BC	650	5.0	0.61	30-190	1300	100	
YRL-10-150-BC	150	10.0	0.61	40-40	2200	100	
YRL-10-230-BC	230	10.0	0.61	40-60	2200	100	
YRL-10-330-BC	330	10.0	0.61	40-95	2200	100	
YRL-10-450-BC	450	10.0	0.61	40-130	2200	100	
YRL-10-650-BC	650	10.0	0.61	40-190	2200	100	
YRL-10-750-BC	750	10.0	0.61	40-230	2200	100	
YRL-10-900-BC	900	10.0	0.61	40-275	2200	100	



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