



rayon™

Identification | Marking | Fiber Optic Solutions

FIBER LASER MARKING SYSTEM



Fiber series introduction

Fiber laser marking machine has perfect and exquisite appearance, with flexible and eco-friendly working method. It adopts the international advanced optical technique, ensures the perfect marking effect.

Applicable industries

electromunication, precision hardware, decorations, electrical appliances, auto parts, instruments, bath products, glasses and watches, and so on.

Applicable material

mobile key, back-light button, moletron (IC), metal products and so on.

Fiber series feature

- working life (50000-10000 hours)
- maintenance-free
- convenient, flexible, eco-friendly
- low energy consumption, (0.35 kilowatt-hour/hour)
- engraving precision of character (min 0.2mm)
- high speed

Warranty

Two years

TECHNICAL PARAMETER

MODEL	RY-150/180/240
Laser generator type	(IPG laser generator)(1064μm)
Cooling method	air cooling
Standard power	≤30W/≤20W/≤10W
Frequency	20-80KHZ
Scanning speed	9000mm/s
Scanning precision	±0.05mm
Reposition precision	±0.001mm
Processing area	100x100mm (optional for different area)
Min line width	0.01mm
Min character	0.15mm
General power	600w/800W
Power supply	1PH+1AC 220V 10A 50/60HZ
Dimension	900mm x 620mm x 1100mm
weight	about 80kgs
Environmental requirements	Temperature 20°C - 30°C Humidity 30%-80% (no condensation frost)
System/compatible format	Windows XP AI, PLT, DXF BMP, JPEG and so on

Stainless Steel Marking Tags

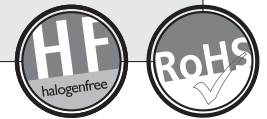


Stainless Steel Marking Tags



- Provides permanent identification of pipes, conduit, valves, cables and equipment in harsh environments
- Designed for use with Rayon Stainless Steel Cable Ties for fast installation at lowest installed cost
- All marker plates/tags can be embossed or laser etched with Rayon Laser Marking Machine
- Designated plates feature easy feed design with a raised slot to simplify cable tie installation and improve productivity

Material Data	
Material	Stainless Steel Type SS316 (SS316)
Colour	Metal (ML)
Chem. Material Properties	Corrosion resistant, weather resistant, antimagnetic. Outstanding chemical resistance to aggressive chemicals, e.g.: industrial vapours, seawater, salt spray in on- and offshore areas, inorganic and hydrochloric acid and halogen salts.
Operating Temperature	-80 °C to +538 °C



RCT-350C



RCT350H-C



RCT-172C



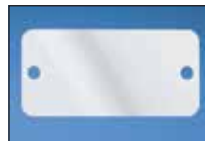
RCT350DB-C



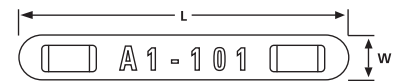
RCT350W-38C



RCT172W-38C



RCT350W-17Q



Part Number	Material	Color	Length/ Diameter		Width		Custom Marking Parameters*		Thickness		Std. Pkg. Qty.	Std. Ctn. Qty.
							Max. 16/3" (4.77mm) Character Per Line	Max. Lines of Text				
RCT-350C	304 Stainless Steel	Natural	3.50	89.0	0.75	19.0	23	3	0.010	0.25	100	1000
RCT-350C316	316 Stainless Steel	Natural	3.50	89.0	0.75	19.0	23	3	0.010	0.25	100	1000
RCT350H-C	304 Stainless Steel	Natural	3.50	89.0	0.75	19.0	20	3	0.010	0.25	100	1000
RCT350H-C316	316 Stainless Steel	Natural	3.50	89.0	0.75	19.0	20	3	0.010	0.25	100	1000
RCT350DB-C	304 Stainless Steel	Natural	3.50	89.0	1.12	29.0	20	3	0.015	0.38	100	1000
RCT350DB-C316	316 Stainless Steel	Natural	3.50	89.0	1.12	29.0	20	3	0.015	0.38	100	1000
RCT350W-38C	304 Stainless Steel	Natural	3.50	89.0	0.38	10.0	23	1	0.010	0.25	100	1000
RCT350W-38C316	316 Stainless Steel	Natural	3.50	89.0	0.38	10.0	23	1	0.010	0.25	100	1000
RCT-172C	304 Stainless Steel	Natural	1.72	44.0	0.75	19.0	8	3	0.010	0.25	100	1000
RCT-172C316	316 Stainless Steel	Natural	1.72	44.0	0.75	19.0	8	3	0.010	0.25	100	1000
RCT172W-38C	304 Stainless Steel	Natural	1.72	44.0	0.38	10.0	8	1	0.010	0.25	100	1000
RCT172W-38C316	316 Stainless Steel	Natural	1.72	44.0	0.38	10.0	8	1	0.010	0.25	100	1000
RCT350W-17Q	304 Stainless Steel	Natural	3.50	89.0	1.73	44.0	23	6	0.015	0.38	25	250

Cable Ties with Ball-Lock and Coating

• RY-TFC-Series

Features and Benefits

The fully coated cable ties of the Rayon-series are made of stainless steel SS316 with a polyester coating.

The coating offers various advantages:

The cable tie has smooth edges. The handling and the installation is more comfortable.

In the application contact corrosion will be avoided.

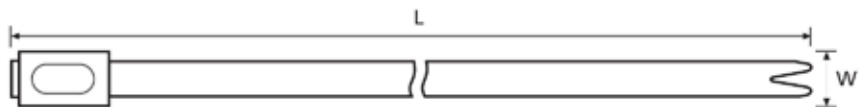
Application

Stainless Steel cable ties with polyester coating provide a comfortable installation, especially when using outside at low temperatures.

These products are chosen when a high tensile strength is demanded and a sensitive harness requires a carefully bundling.



RY_SFC, RY_HFC.



RY_SFC, RY_HFC.

Material Data	
Material	Stainless Steel Type SS316 (SS316), Polyester (SP)
Operating Temperature Tie	-80 °C to +538 °C
Operating Temperature Coating	-50 °C to +150 °C
Flammability	Non burning



Technical Table

	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material
RY Fully Coated						
	RY5SFC	120	4.6	25	540	SS316, SP
	RY8SFC	200	4.6	50	540	SS316, SP
	RY14SFC	360	4.6	102	540	SS316, SP
	RY20SFC	520	4.6	152	540	SS316, SP
	RY27SFC	680	4.6	203	540	SS316, SP
	RY33SFC	840	4.6	254	540	SS316, SP
	RY8HFC	200	7.9	50	1020	SS316, SP
	RY14HFC	360	7.9	102	1020	SS316, SP
	RY20HFC	520	7.9	152	1020	SS316, SP
	RY27HFC	680	7.9	203	1020	SS316, SP
	RY33HFC	840	7.9	254	1020	SS316, SP
	RY14XHFC	360	12	102	1620	SS316, SP
	RY20XHFC	520	12	152	1620	SS316, SP
	RY27XHFC	680	12	203	1620	SS316, SP
	RY33XHFC	840	12	254	1620	SS316, SP

All dimensions in mm. Subject to technical changes.

Cable Ties with Ball-Lock

• RY-ST-Series

Features and Benefits

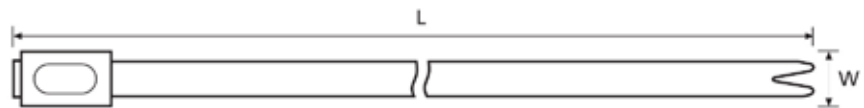
The Rayon ball bearing ties have a non-releasable locking mechanism that offers infinite adjustment along the length of the tie. These ties are available in both 316 and 304 grades of stainless steel.

Application

The Rayon range of stainless steel ties are suitable for use in the most arduous conditions or where additional security, strength, fire resistance and chemical resistance properties. Used in all industries - from mass transit, ship building, oil rigs, mining, chemical industries and many more.





RY_SS, RY_HS.



RY_SS, RY_HS.

Material Data	
Material	Stainless Steel Type SS316 (SS316)
Operating Temperature	-80 °C to +538 °C
Flammability	Non burning

Technical Table

	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	
Material Type SS316							
	RY5SS	120	4.6	25	540	SS316	
	RY8SS	200	4.6	50	540	SS316	
	RY14SS	360	4.6	102	540	SS316	
	RY20SS	520	4.6	152	540	SS316	
	RY27SS	680	4.6	203	540	SS316	
	RY33SS	840	4.6	254	540	SS316	
	RY8HS	200	7.9	50	1020	SS316	
	RY14HS	360	7.9	102	1020	SS316	
	RY20HS	520	7.9	152	1020	SS316	
	RY27HS	680	7.9	203	1020	SS316	
	RY33HS	840	7.9	254	1020	SS316	
	RY14XHS	360	12	102	1620	SS316	
	RY20XHS	520	12	152	1620	SS316	
	RY27XHS	680	12	203	1620	SS316	
	RY33XHS	840	12	254	1620	SS316	

All dimensions in mm. Subject to technical changes.