

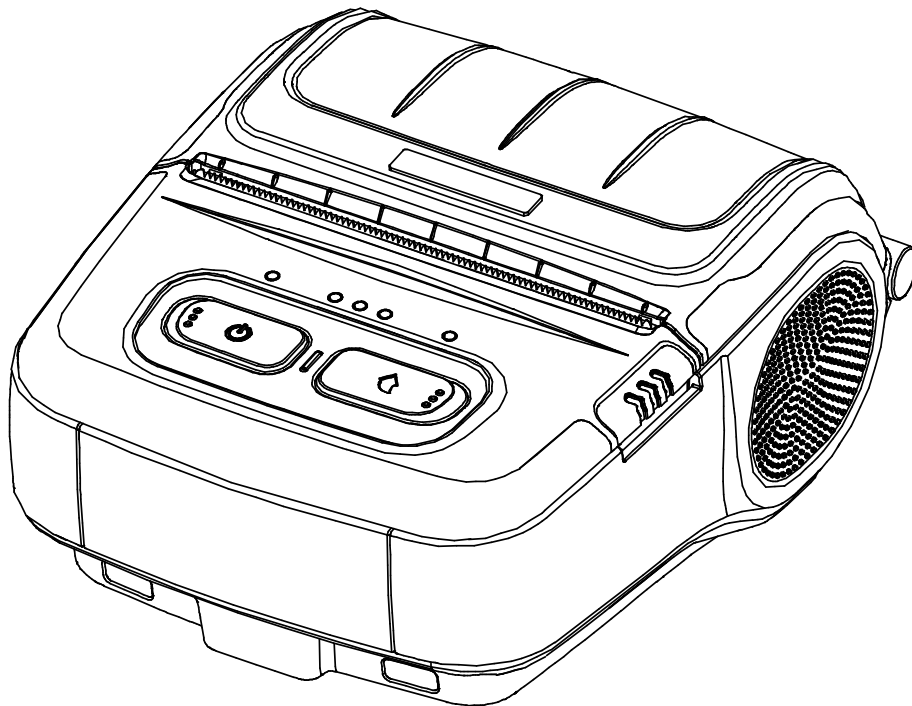
**BIXOLON®**

# Paper Specifications

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**Rev. 1.00**

**SPP-R200II,R200III,R210,  
R300,R310,R400**



<http://www.bixolon.com>

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## **※ About this manual**

This manual contains paper specifications needed to use mobile printer.

## 1. Receipt paper

### 1-1 Paper specifications

Model	Paper width	Outer diameter of paper roll	Thickness
SPP-R200II	49.5 ± 0.5 mm (1.94" ± 0.2")	Max. Ø40 mm (Max. Ø1.57")	0.07 ± 0.005 mm (0.0028" ± 0.0002")
SPP-R200III	57.5 ± 0.5 mm (2.26" ± 0.2")	Max. Ø40 mm (Max. Ø1.57")	0.07 ± 0.005 mm (0.0028" ± 0.0002")
SPP-R210	57.5 ± 0.5 mm (2.26" ± 0.2")	Max. Ø30 mm (Max. Ø1.18")	0.07 ± 0.005 mm (0.0028" ± 0.0002")
SPP-R300	79.5 ± 0.5 mm (3.13" ± 0.2")	Max. Ø50 mm (Max. Ø1.97")	0.07 ± 0.005 mm (0.0028" ± 0.0002")
SPP-R310	79.5 ± 0.5 mm (3.13" ± 0.2")	Max. Ø50 mm (Max. Ø1.97")	0.07 ± 0.005 mm (0.0028" ± 0.0002")
SPP-R400	104.5 ± 0.5 mm (4.11" ± 0.2")	Max. Ø57 mm (Max. Ø2.24")	0.07 ± 0.005 mm (0.0028" ± 0.0002")
	111.5 ± 0.5 mm (4.39" ± 0.2")	Max. Ø57 mm (Max. Ø2.24")	0.07 ± 0.005 mm (0.0028" ± 0.0002")


### 1-2 Recommended papers

- PD 160R (Paper Thickness 75µm), New Oji Paper Mfg. Co., Ltd.

### 1-3 Black mark specifications

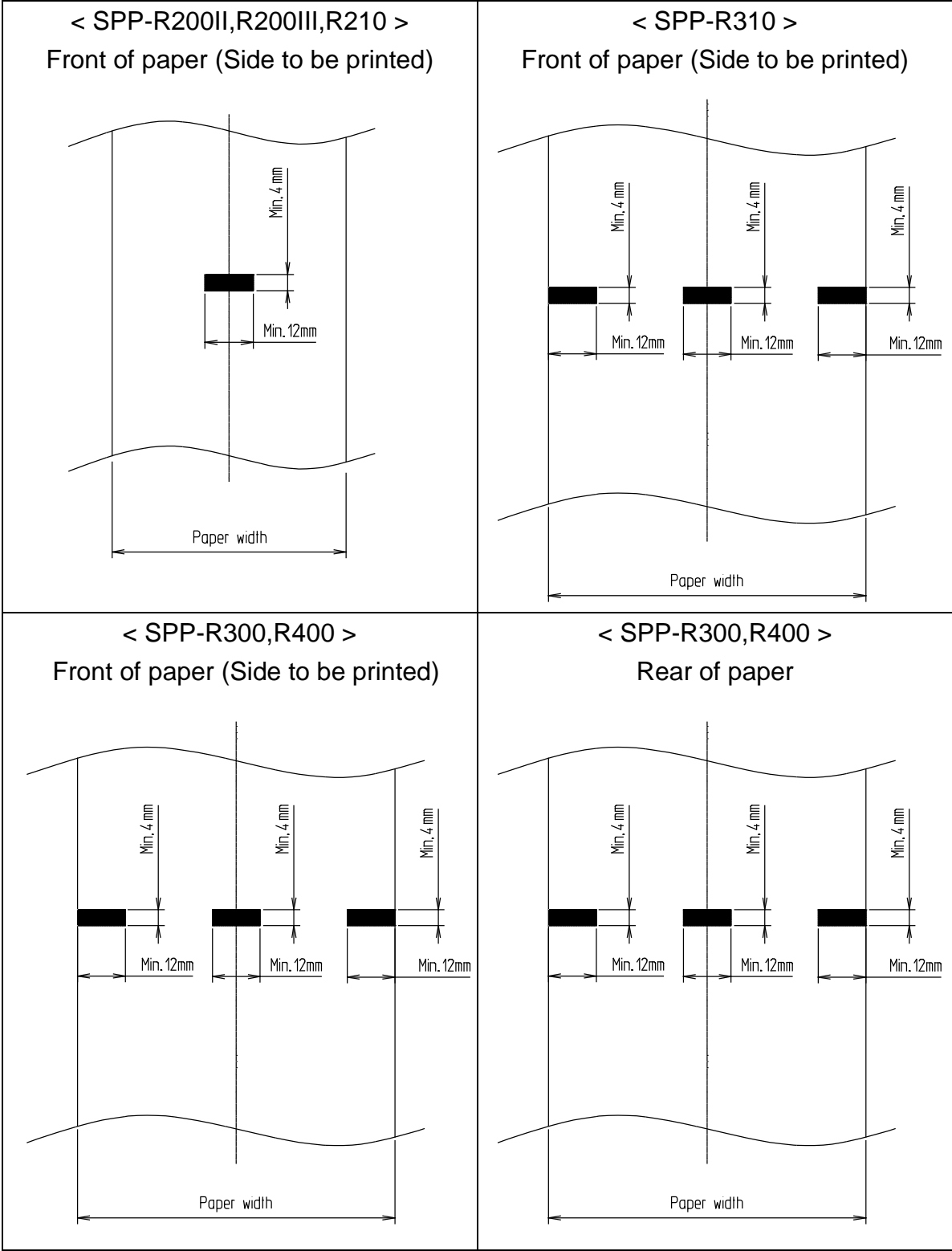
1) Available black mark location by model

Model	Black mark location					
	Middle of front (Standard)	Right of front (0)	Left of front (4)	Middle of rear (2)	Right of rear (1)	Left of rear (3)
SPP-R200II	○	X	X	X	X	X
SPP-R200III	○	X	X	X	X	X
SPP-R210	○	X	X	X	X	X
SPP-R300	○	○	○	○	○	○
SPP-R310	○	○	○	X	X	X
SPP-R400	○	○	○	○	○	○

 NOTE) Front is side to be printed

# Paper Specification

2) Black mark location and dimensions



3) Density of black mark : Optical density 0.84 ~ 1.34  
(Based on the Macbeth measuring instrument)

## 2. Label paper


### 2-1 Paper specifications

Model	Paper Width	Outer Diameter of Paper Roll
SPP-R200II SPP-R200III	49.5 ± 0.5 mm (1.94" ± 0.2")	Max. Ø39 mm (Max. Ø1.53")
	57.5 ± 0.5 mm (2.26" ± 0.2")	Max. Ø39 mm (Max. Ø1.53")
SPP-R300	79.5 ± 0.5 mm (3.13" ± 0.2")	Max. Ø49 mm (Max. Ø1.93")
SPP-R310	79.5 ± 0.5 mm (3.13" ± 0.2")	Max. Ø49 mm (Max. Ø1.93")
SPP-R400	104.5 ± 0.5 mm (4.11" ± 0.2")	Max. Ø56 mm (Max. Ø2.2")
	111.5 ± 0.5 mm (4.39" ± 0.2")	Max. Ø56 mm (Max. Ø2.2")

### 2-2 Black mark specifications

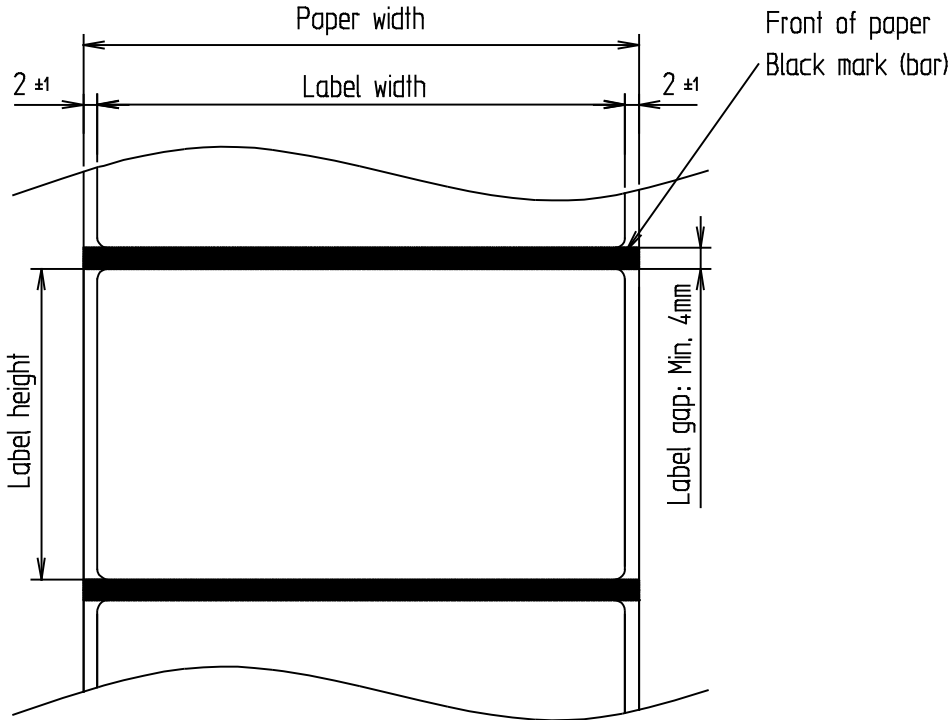
#### 1) Available black mark location by model

Model	Black mark location					
	Middle of front (Standard)	Right of front (0)	Left of front (4)	Middle of rear (2)	Right of rear (1)	Left of rear (3)
SPP-R200II	○	X	X	X	X	X
SPP-R200III	○	X	X	X	X	X
SPP-R300	○	○	○	○	○	○
SPP-R310	○	○	○	X	X	X
SPP-R400	○	○	○	○	○	○

 NOTE) Front is side to be printed

**Paper Specification**

2) Dimension of Label paper and black mark



3) Density of black mark : Optical density 0.84 ~ 1.34  
(Based on the Macbeth measuring instrument)

## 3. Linerless paper

### 3-1 Paper specifications

Model	Paper Width	Outer Diameter of Paper Roll	Thickness
SPP-R200II	49.5 ± 0.5 mm (1.94" ± 0.2")	Max. Ø39 mm (Max. Ø1.53")	0.08 ± 0.01 mm (0.0032" ± 0.0004")
SPP-R200III	57.5 ± 0.5 mm (2.26" ± 0.2")	Max. Ø39 mm (Max. Ø1.53")	0.08 ± 0.01 mm (0.0032" ± 0.0004")
SPP-R210	57.5 ± 0.5 mm (2.26" ± 0.2")	Max. Ø30 mm (Max. Ø1.18")	0.08 ± 0.01 mm (0.0032" ± 0.0004")
SPP-R300	79.5 ± 0.5 mm (3.13" ± 0.2")	Max. Ø49 mm (Max. Ø1.93")	0.08 ± 0.01 mm (0.0032" ± 0.0004")
SPP-R310	79.5 ± 0.5 mm (3.13" ± 0.2")	Max. Ø49 mm (Max. Ø1.93")	0.08 ± 0.01 mm (0.0032" ± 0.0004")
SPP-R400	104.5 ± 0.5 mm (4.11" ± 0.2")	Max. Ø56 mm (Max. Ø2.2")	0.08 ± 0.01 mm (0.0032" ± 0.0004")
	111.5 ± 0.5 mm (4.39" ± 0.2")	Max. Ø56 mm (Max. Ø2.2")	0.08 ± 0.01 mm (0.0032" ± 0.0004")


### 3-2 Recommended papers

- T6087 (Paper Thickness 76µm), Blumberg GmbH & Co. KG

### 3-3 Black mark specifications

1) Available black mark location by model

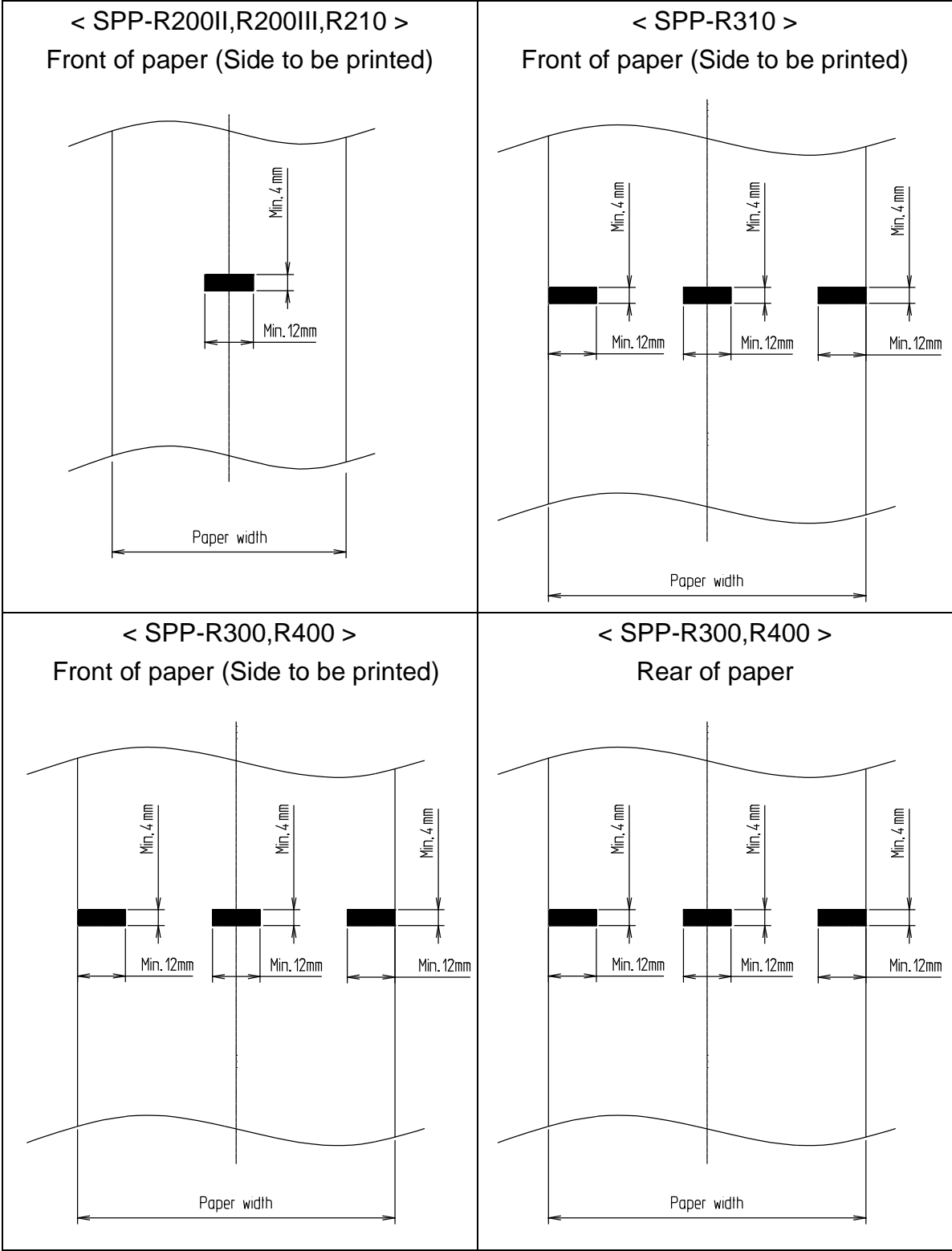
Model	Black mark location					
	Middle of front (Standard)	Right of front (0)	Left of front (4)	Middle of rear (2)	Right of rear (1)	Left of rear (3)
SPP-R200II	○	X	X	X	X	X
SPP-R200III	○	X	X	X	X	X
SPP-R210	○	X	X	X	X	X
SPP-R300	○	○	○	○	○	○
SPP-R310	○	○	○	X	X	X
SPP-R400	○	○	○	○	○	○

 NOTE) Front is side to be printed



# Paper Specification

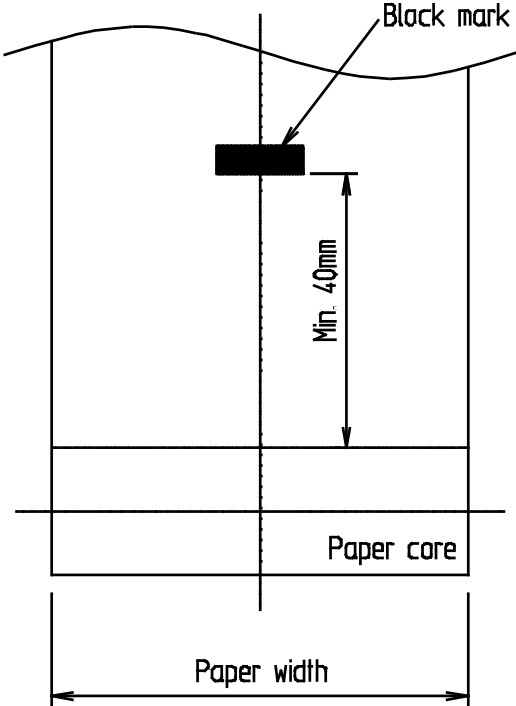
## 2) Black mark location and dimension



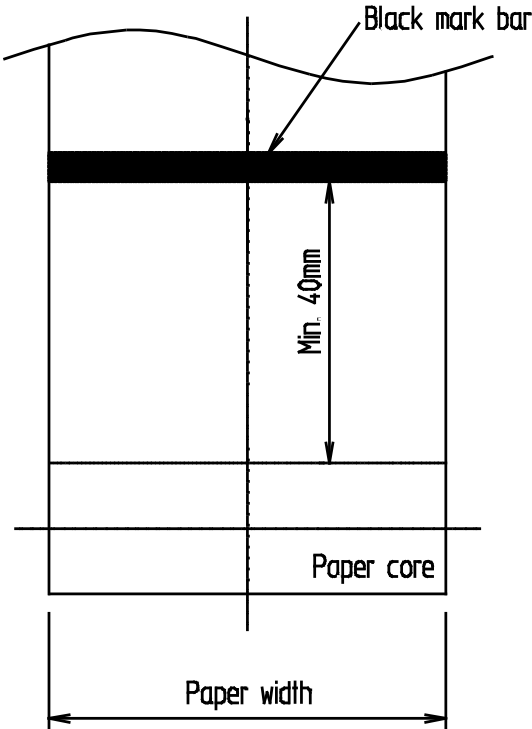
3) Paper end

Paper end should be produced like below type.

- Black mark type

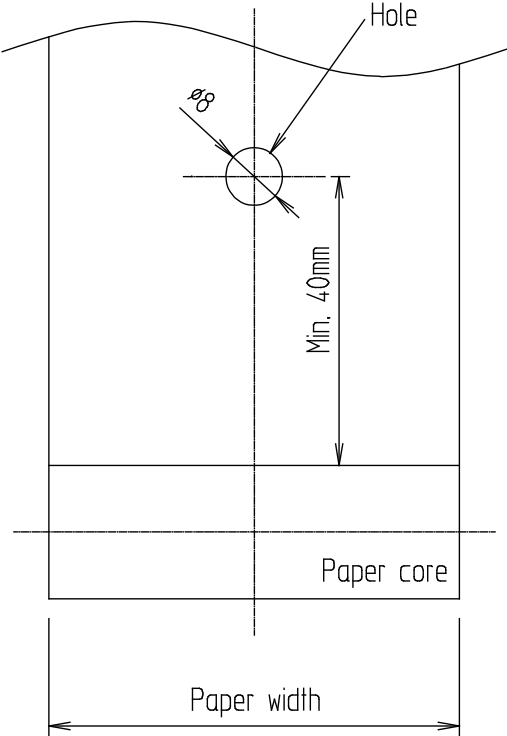


- Black mark bar type



**Paper Specification**

- Hole type



- Separate type

Paper end must be separated from paper core automatically.

4) Density of black mark : Optical density 0.84 ~ 1.34  
(Based on the Macbeth measuring instrument)