

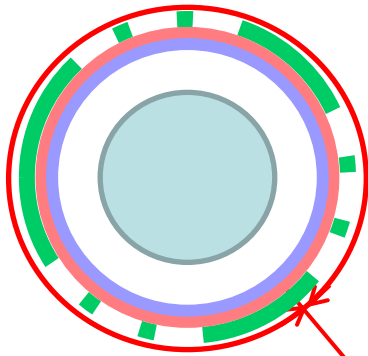
# Flexo printing technology

## Size calculation of Plate Mounting Sleeves

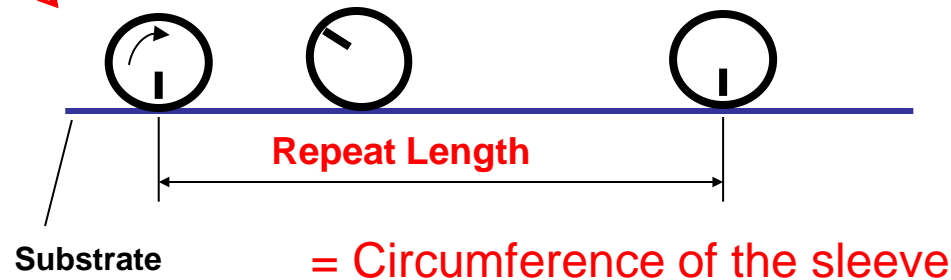


# Flexo printing technology

## OD calculation Plate mounting sleeve

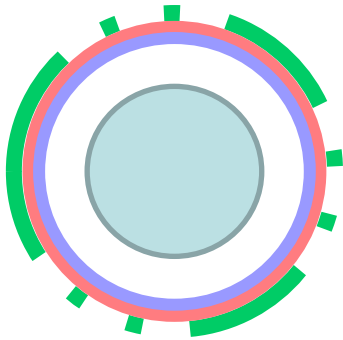


**Print repeat length = Circumference** e.g. 400 mm  
outer diameter Print sleeve =  $400 / \pi$  = 127.32 mm



# Flexo printing technology

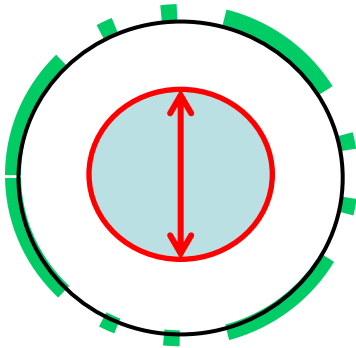
## *OD calculation Plate mounting sleeve*



**Print repeat length = Circumference** e.g. 400 mm

<b>Outer diameter Print sleeve (<math>400 / \pi</math>)</b>	<b>= 127.32 mm</b>
- Plate thickness (e.g. 2 x 1.14 mm)	- 2.28 mm
- Sticky tape thickness (e.g. 2 x 0.55 mm)	- 1.10 mm
<b>Outer diameter Plate mounting sleeve</b>	<b>= 123.94 mm</b>

# Flexo printing technology



## Mandrel

Stork Size

e.g. 340

outer diameter

*(see list of cylindrical mandrel sizes)*

= 101.975 mm

Mandrel (Stork size)

*(Air mandrel or adapter/bridge sleeve)*

# Flexo printing technology

## Cylindrical mandrel sizes



Cylindrical air mandrels at Böttcher / Zylindrische Dorne bei Böttcher

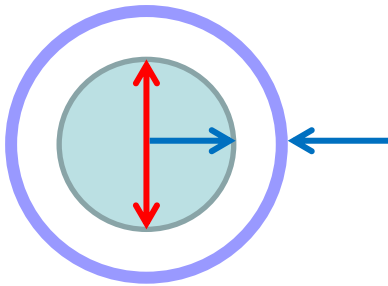
01/2012

Stork size <i>Stork Maß</i>	Mandrel diameter <i>Dorn-durchmesser</i>	Maximal available length <i>Maximal vorhandene Ballenlänge</i>
160	44,680	1000
210	60,595	1300
220	63,778	1000
230	66,961	1000
240	70,144	1600
250	73,327	1600
260	76,511	1600
270	79,694	1600
280	82,877	2700
290	86,060	2700
300	89,243	2700
310	92,426	2700
320	95,609	2700
330	98,792	2700
340	101,975	2700

Stork size <i>Stork Maß</i>	Mandrel diameter <i>Dorn-durchmesser</i>
720	222,933
730	226,116
740	229,300
750	232,482
760	235,666
:	:
780	242,032
790	245,215
800	248,398
810	:
820	254,514
830	257,697
:	:
850	264,063
:	:

# Flexo printing technology

## Wall thickness Plate mounting sleeve



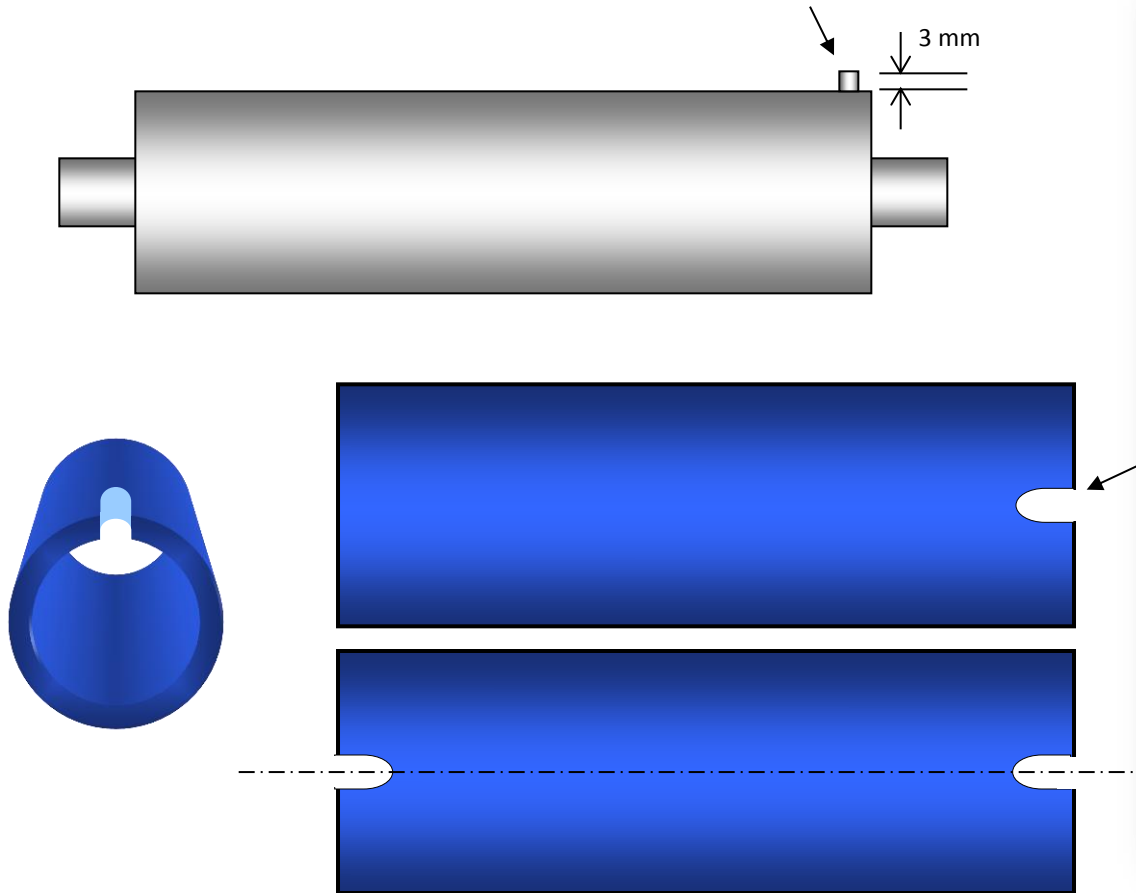
Mandrel (Stork size)

<b>Outer diameter Print sleeve (<math>400 / \pi</math>)</b>	<b>= 127.32 mm</b>
- Plate thickness (e.g. 2 x 1.14 mm)	- 2.28 mm
- Sticky tape thickness (e.g. 2 x 0.55 mm)	- 1.10 mm
<b>Outer diameter Plate mounting sleeve</b>	<b>= 123.94 mm</b>
Air mandrel type 340	= 101.975 mm
Wall thickness $(123.94 - 101.975) / 2$	= 10,98 mm

# Flexo printing technology

## Additional features for Plate mounting sleeves

### Notches for Preregistering of sleeve



**Böttcher Systems**

Lochungen / notches

1	10	2	11	3	12	4	7,5
5	18	6	17	7	5	8	4,5
9	7	10	7,5	11	10	12	10
15	8,5	14	7	15	10	16	13
17	12	18	13	19	8,5	20	17,5
21	7	22	18	23	7	24	10
25	8	26	C	27	17	28	8

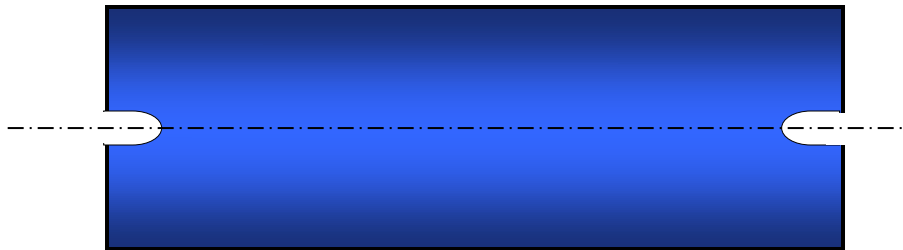
Lochungen, die nicht durch den Bezug gehen, sind ebenfalls möglich. Bitte in der Bestellung vermerken.  
Notches, which are not punched through surface of the sleeve are also available! Please advise in your order.  
Sollten Sie eine Lochzunge benötigen, die nicht auf dieser Liste enthalten ist, beraten wir Sie gerne.  
If other notches are needed, do not hesitate to contact us.

**PRINT SYSTEMS**

# Flexo printing technology

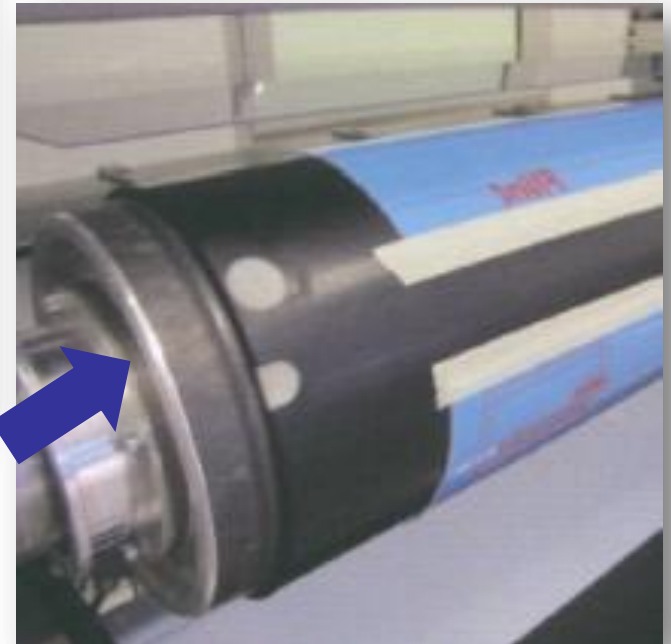
## Additional features for Plate mounting sleeves

- Notches metal reinforced
- Mounting lines on the sleeve surface
  - axial / radial





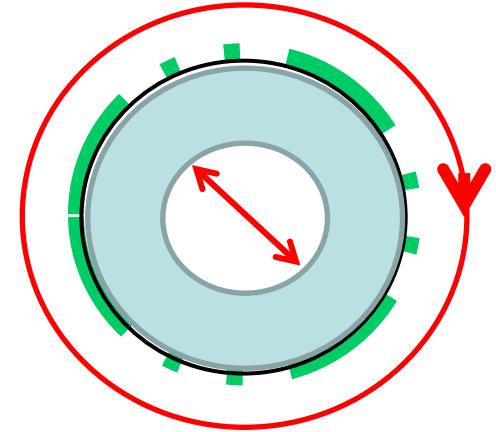
# Bobst *smartGPS*™



# Flexo printing technology

## Plate mounting sleeves

### *Requested information offer / order*



### **Basic information:**

- Mandrel type (stork) or mandrel OD
- Print repeat length or sleeve OD
- Sleeve length
- Thickness of the sticky tape (0,10 / 0,38 / 0,50 / 0,55 ...)
- Thickness of the plate (1,14 / 1,70 / 2,54 / ...)

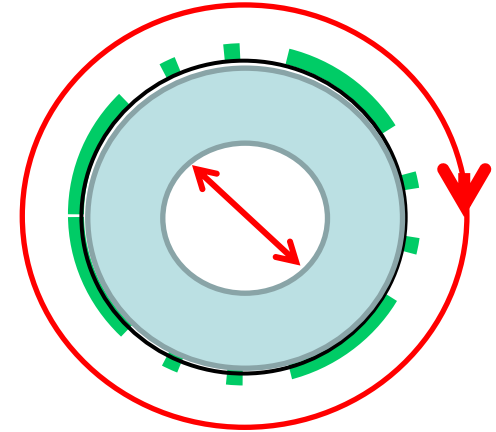
### **Additional service:**


- Notches (type, quantity, position, material (composite or metal))
- Mounting lines (quantity & position axial and/or radial)
- Chips for Bobst *smartGPS*™

# Flexo printing technology

## Plate mounting sleeves

### Requested information offer / order



**Data sheet for Böttcher Plate Mounting Sleeves** 

Company  Date

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Sleeve diamention	Print repeat	or	Mounting sleeve outer diameter	Quantity
	<input type="text"/> mm		<input type="text"/>	<input type="text"/>
	<input type="text"/> mm		<input type="text"/>	<input type="text"/>
	<input type="text"/> mm		<input type="text"/>	<input type="text"/>
	<input type="text"/> mm		<input type="text"/>	<input type="text"/>

Thickness Printing plate  mm

Thickness Tape  mm

Sleeve length  mm

Air mandrel  Diameter or  Stork-Typ

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**Additional features**

Notch for the register pin  one side  both sides

Notch size referring to Böttcher list number:

or according to: