

Gravure sleeves

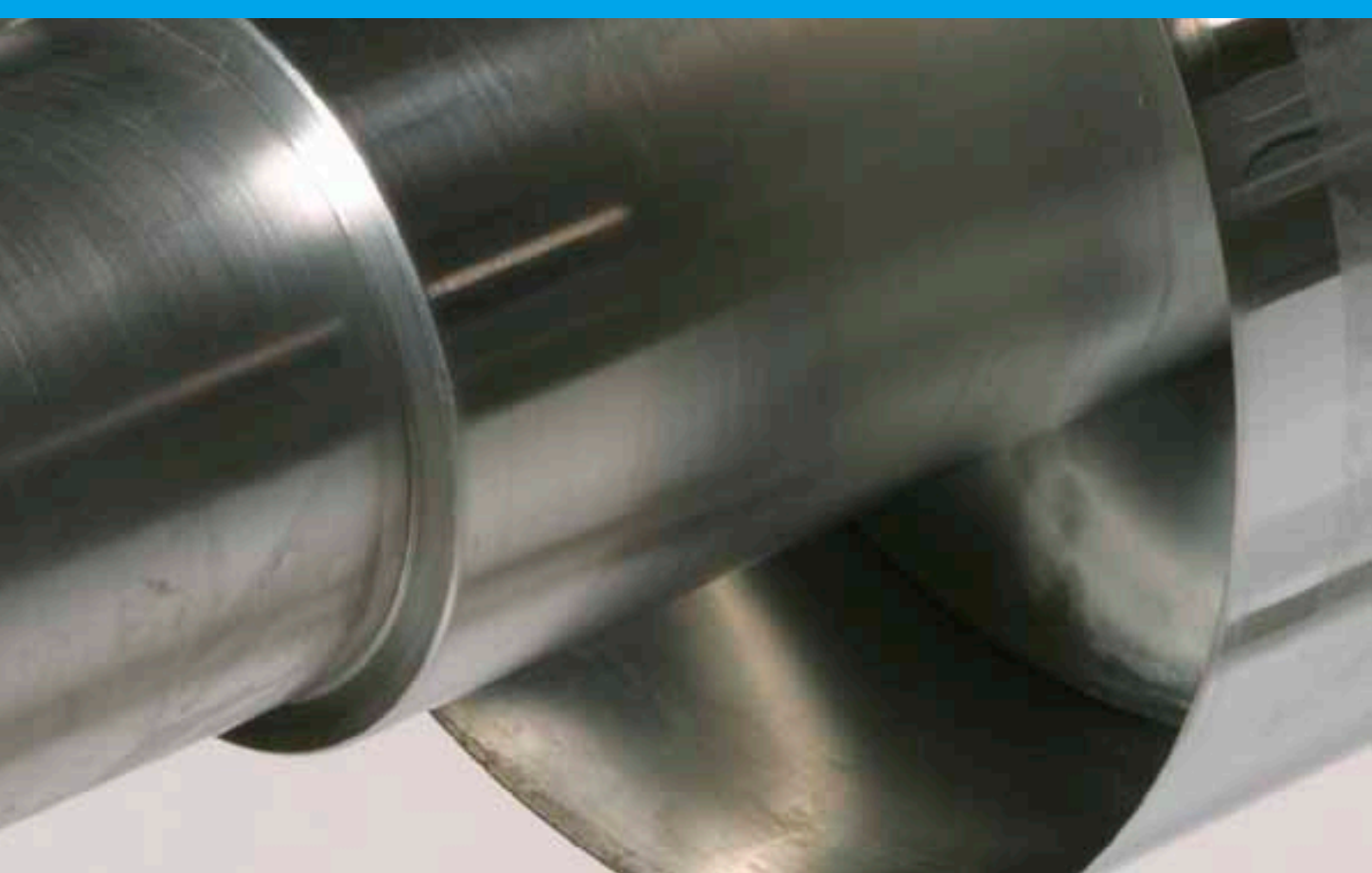
Reduce handling, transport and storage costs



## Reduce handling, transport and storage costs



In today's highly competitive printing market, it is necessary to constantly improve efficiency and reduce costs. Stork Prints' gravure sleeves give printers a competitive edge.



Gravure sleeves cost less than rotogravure cylinders. After finishing a print job, you can replating and re-engrave them, and use them for a new job. But most importantly, weighing only 3 to 10 kilograms, gravure sleeves are much easier to handle than a typical 200 kg rotogravure cylinder. By only slightly modifying your production process for the use of gravure sleeves, you can easily reduce downtime by 20 to 30%, and handling time by even 50%.

#### Perfectly compatible, easily adaptable

You don't necessarily need new machinery or cylinder bases to benefit from these advantages. Standard press-ready gravure sleeves are only 0.014" thick, and perfectly compatible with traditional cylinder bases.

Only a few modifications are needed. By slightly undercutting an existing base, and providing it with air channels, you can turn it into a mounting base for gravure sleeves.

#### Lower transport costs, maximum flexibility

The use of lightweight gravure sleeves considerably reduces your transport costs. Since you can easily move them from one location to another, they also provide you with alternative ways of getting images to the press. For example by imaging your sleeves centrally, and then shipping them to different printing locations. Also, you can store sleeves at your engraver's, allowing rush jobs to be engraved and shipped to your printing facility without cylinders having to be transferred back and forth.

#### Less inventory, lower storage costs

Gravure sleeves take up less than half of the storage space needed for cylinders. So, instead of an entire set of cylinder bases for each print job, you only need one set of mounting bases. To increase efficiency, though, you might want to keep an extra set of bases for off press sleeve mounting and imaging. By eliminating the need for a large cylinder base inventory, and the labour and equipment involved, you considerably reduce your storage costs.

#### Broad size range, excellent support

Stork Prints' gravure sleeves are available in any repeat size from 12 to 72", and in printing widths up to 142". They can be manufactured to nearly any cylinder diameter, and come complete with the market know-how and excellent support of our worldwide network.



# Fast and easy implementation

## Adjusting your cylinder bases in five simple steps

- 1 Identify the print repeat.
- 2 Divide the print repeat by pi (3.1416). This is your print diameter.
- 3 Subtract 0.028" from the print diameter. This is the BCD (Base Cylinder Diameter) of the print cylinder on which you mount your sleeves.
- 4 Resize your cylinder bases to the calculated BCD and provide them with air channels.
- 5 Chrome flash your cylinder bases for a durable mounting surface.

## Example

Print repeat: 26"

Print diameter:  $26" / 3.1416 = 8.276"$

BCD:  $8.276" - 0.028" = 8.250"$

## Mounting sleeves in three simple steps

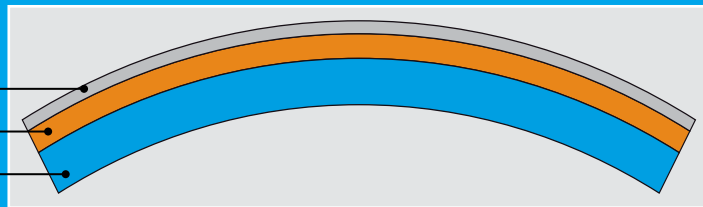
- 1 Wipe the base cylinder off with dry cloth, to ensure it is dry and clean before mounting a sleeve.
- 2 Slide the sleeve onto the base cylinder, until the leading edge covers the air channel.
- 3 Turn on the air supply, wait three to five seconds to allow the air to inflate the sleeve, and slide the sleeve into position.

### Gravure cylinder

Chrome flash

Engravable copper layer

Base



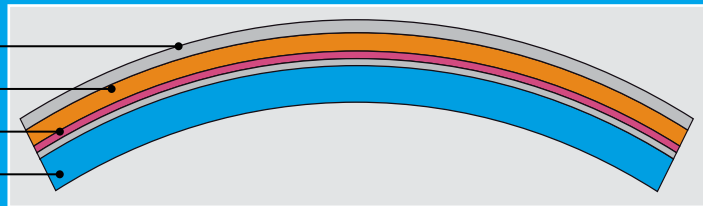
### Air cylinder + nickel/copper sleeve

Chrome flash

Engravable copper layer

Nickel/copper sleeve

Air cylinder/chrome flash



### Using a mounting stand

To slide sleeves onto and off of the base cylinder, you need to keep the base cylinder in a horizontally fixed position, with one shaft completely accessible. There are different ways to do this. The picture shows a cantilever mounting stand concept. Stork Prints is happy to advise you on a solution that works best for your situation.



### Preventing sleeves from getting stuck

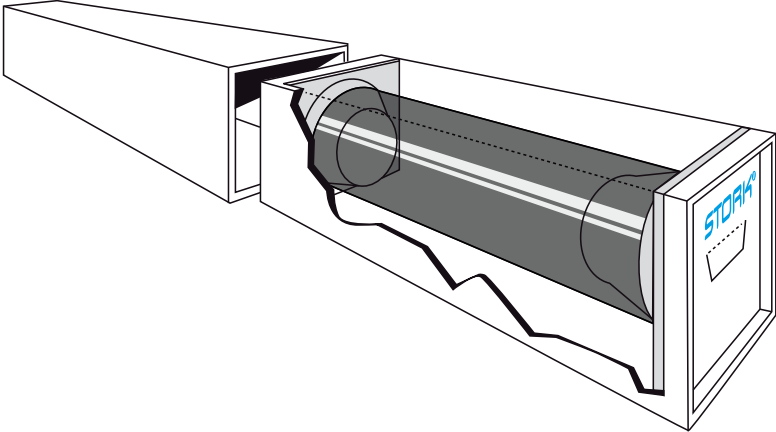
A second set of air holes on the far end of the cylinder base is the best way to prevent sleeves from getting stuck. If you only modify one end of your cylinders, it is essential that you don't pass the air holes at the close end of the cylinder. In case you accidentally slip the sleeve past these holes anyway, immediately slide the sleeve back to cover the air channel again. If you do this quickly, there will still be enough air between the sleeve and the base cylinder's surface. If you are too late, you can try to remove the sleeve by sealing a second sleeve of the same diameter to the first.

# Stacking and storing gravure sleeves

6



You can conveniently store engraved sleeves in their original carton shipping containers. Thanks to their rigid construction, you can stack the containers in multiple layers without the need for support racks.





## Stork Prints

Stork Prints is the leading provider of system and application know-how in textile and graphics printing processes as well as two-dimensional, high accuracy, metal precision products.  
For further information, please visit [www.storkprints.com](http://www.storkprints.com).

Headoffice  
Stork Prints BV  
P.O. Box 67  
5830 AB Boxmeer  
The Netherlands  
T +31 (0) 48559 9555  
F +31 (0) 48559 9556  
E [sales.graphics@stork.com](mailto:sales.graphics@stork.com)  
I [www.storkprints.com](http://www.storkprints.com)

Stork Prints Austria GmbH  
Kufsteiner Strasse 4  
A-6336, Langkampfen  
Austria  
T +43 5372 69930  
F +43 5372 69935  
E [info.storkprintsaustria@stork.com](mailto:info.storkprintsaustria@stork.com)  
I [www.storkprints.com](http://www.storkprints.com)

Stork Prints Baski Sistemleri  
Tic. Ltd. Sti  
Kaya Sultan Sok.No.97 D.2-A  
Kozyata  
34742, Istanbul  
Turkey  
T +90 21646 48353  
F +90 21646 48357  
I [www.storkprints.com.tr](http://www.storkprints.com.tr)

Stork Prints America Inc.  
3201 Rotary Drive, Charlotte, NC 28269  
P.O. Box 26458, Charlotte, N.C. 28221  
U.S.A.  
T +1 70459 87171  
F +1 70459 60858

Stork Prints Mexico S.A. de C.V.  
C. Centéotl 274  
Col. Fracc. Ind. San Antonio  
02760  
Del. Azcapotzalco, Mexico D.F.  
Mexico  
T +52 (55) 5561 8950  
F +52 (55) 5561 8935

Stork Prints Brasil Ltda.  
Av. Comendador Leopoldo Dedini, 150  
13422-210  
Piracicaba (SP)  
Brazil  
T +55 19343 71300  
F +55 19343 71339  
E [storkprints@storkprints.com.br](mailto:storkprints@storkprints.com.br)  
I [www.storkprints.com.br](http://www.storkprints.com.br)

Stork Prints Pakistan (Pvt) Ltd.  
11, Bangalore Town  
Cooperative Housing Society Shahrah-e-Faisal  
75350, Karachi  
Pakistan  
T +92 21455 8334  
F +92 21455 8277

Stovec Industries Ltd.  
N.I.D.C. Near Lambha Village  
Post Narol  
382 405  
Ahmedabad (Gujarat State)  
India  
T +91 79257 10407  
F +91 79257 10406

Stork Textile Systems Wuxi  
251 Xing Chuang Balu  
Wuxi-Singapore Industrial Park  
214028  
Wuxi, Jiangsu 214028  
China  
T +86 510852 82225  
F +86 510852 82241  
E [info@stork.cn](mailto:info@stork.cn)