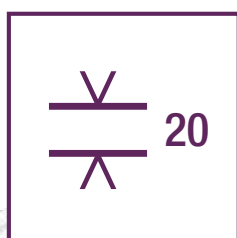




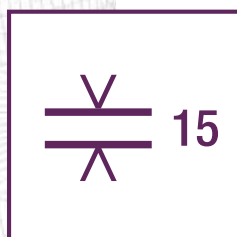
Your challenges, our mission

# Cushion plate mounting tapes for flexo printing

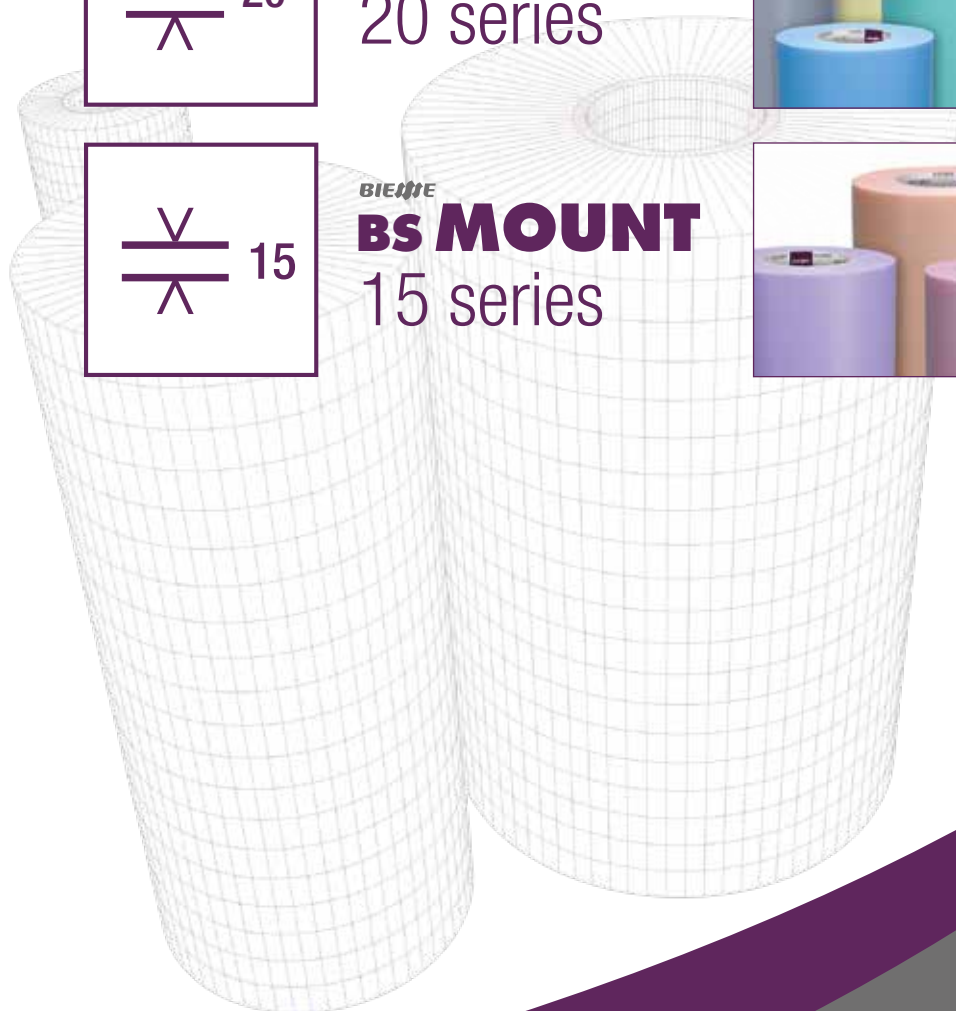
SAMPLE BOOK



BIENNE  
**BS MOUNT**  
20 series



BIENNE  
**BS MOUNT**  
15 series





# BS MOUNT

The BiesSse® range of cushion adhesive tapes has been developed to meet the demands of high quality flexo printing.

The products are characterised by a foam carriers of different compressibilities and thicknesses, combined with different adhesive types and liners.

The innovative formulation of the highly resilient BiesSse® foam ensures maximum printing quality, even with the most technically advanced and complex designs.

The BiesSse® BS MOUNT range is used in flexo printing of labels, flexible packaging, and cardboard (pre-print).

It consists of 8 adhesive combinations, 2 thicknesses range and 10 compressibilities, identified by specific colours to guide the user in choosing the most suitable product.

## PRODUCT ADVANTAGES:

- High resilience foam
- High adhesion and clean removal
- High performance embossed liner
- Excellent printing results at very high speed and long print runs



# BS MOUNT Cushion adhesive tapes



Product thickness 0.55 mm (22 mils)  
Application thickness **0.50 mm (20 mils)**

AVAILABLE IN 6  
COMPRESSIBILITY  
GRADES

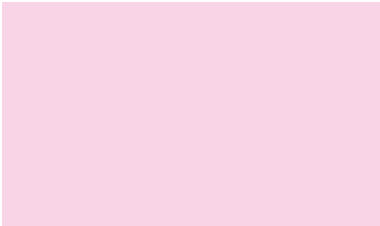
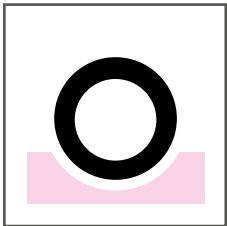
20.100			<b>HIGH COMPRESSIBILITY</b> <ul style="list-style-type: none"><li>Screens, shades, lines and fine types</li><li>Yellow foam</li></ul>	
20.150			<b>MEDIUM-HIGH COMPRESSIBILITY</b> <ul style="list-style-type: none"><li>Combination print with prevailing screens, shades, lines and fine types</li><li>Red foam</li></ul>	
20.200			<b>MEDIUM COMPRESSIBILITY</b> <ul style="list-style-type: none"><li>Combination print with balance among screens, lines and solids</li><li>White foam</li></ul>	
20.250			<b>MEDIUM-LOW COMPRESSIBILITY</b> <ul style="list-style-type: none"><li>Combination print with prevailing solids and lines</li><li>Green foam</li></ul>	
20.275			<b>LOW COMPRESSIBILITY</b> <ul style="list-style-type: none"><li>Full solids print</li><li>Grey foam</li></ul>	
20.300			<b>VERY LOW COMPRESSIBILITY</b> <ul style="list-style-type: none"><li>Full solids print, more intense colours</li><li>Blue foam</li></ul>	



Product thickness 0.41 mm (16 mils)  
Application thickness **0.38 mm (15 mils)**

AVAILABLE IN 4  
COMPRESSIBILITY  
GRADES

15.150

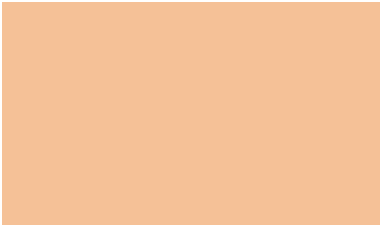
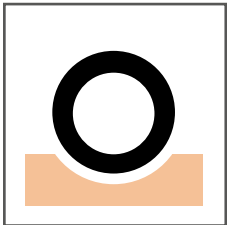


**MEDIUM-HIGH  
COMPRESSIBILITY**

- Combination print with prevailing screens, shades, lines and fine types
- Pink foam



15.200

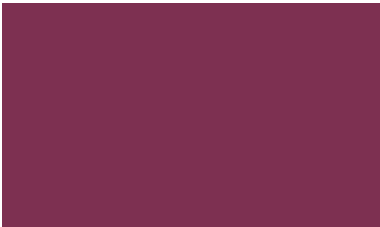
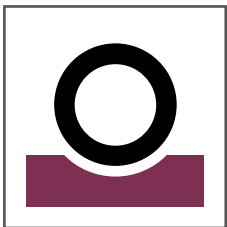


**MEDIUM  
COMPRESSIBILITY**

- Combination print with balance among screens, lines and solids
- Orange foam



15.250

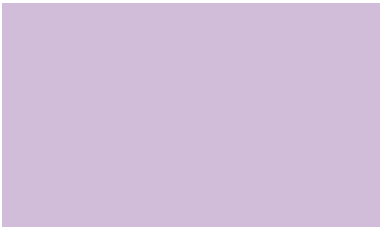
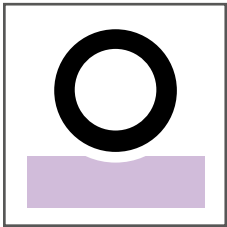


**MEDIUM-LOW  
COMPRESSIBILITY**

- Combination print with prevailing solids and lines
- Purple violet foam

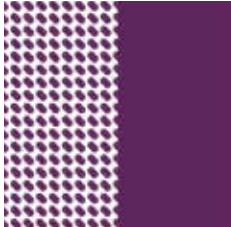


15.300



**VERY LOW  
COMPRESSIBILITY**

- Full solids print, more intense colours
- Lilac foam



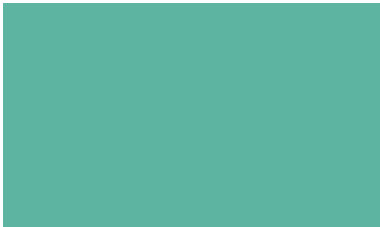
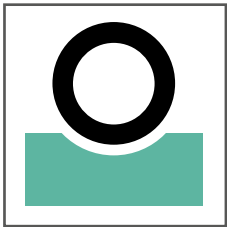
# High thickness BS Mount



Product thickness 1.52 mm (60 mils)  
Application thickness **1.47 mm (58 mils)**

AVAILABLE IN 1  
COMPRESSIBILITY  
GRADE

60.250



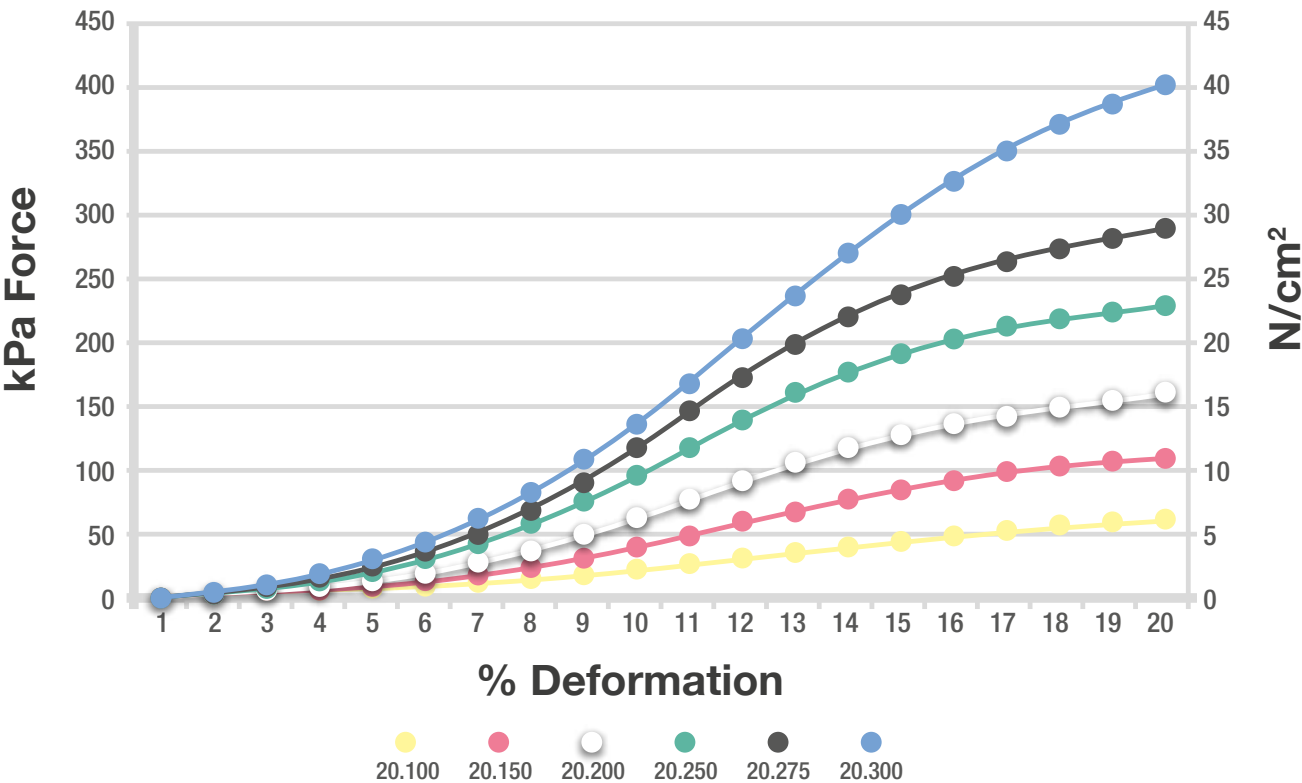
**MEDIUM-LOW  
COMPRESSIBILITY**

- Combination print with prevailing solids and lines
- Green foam

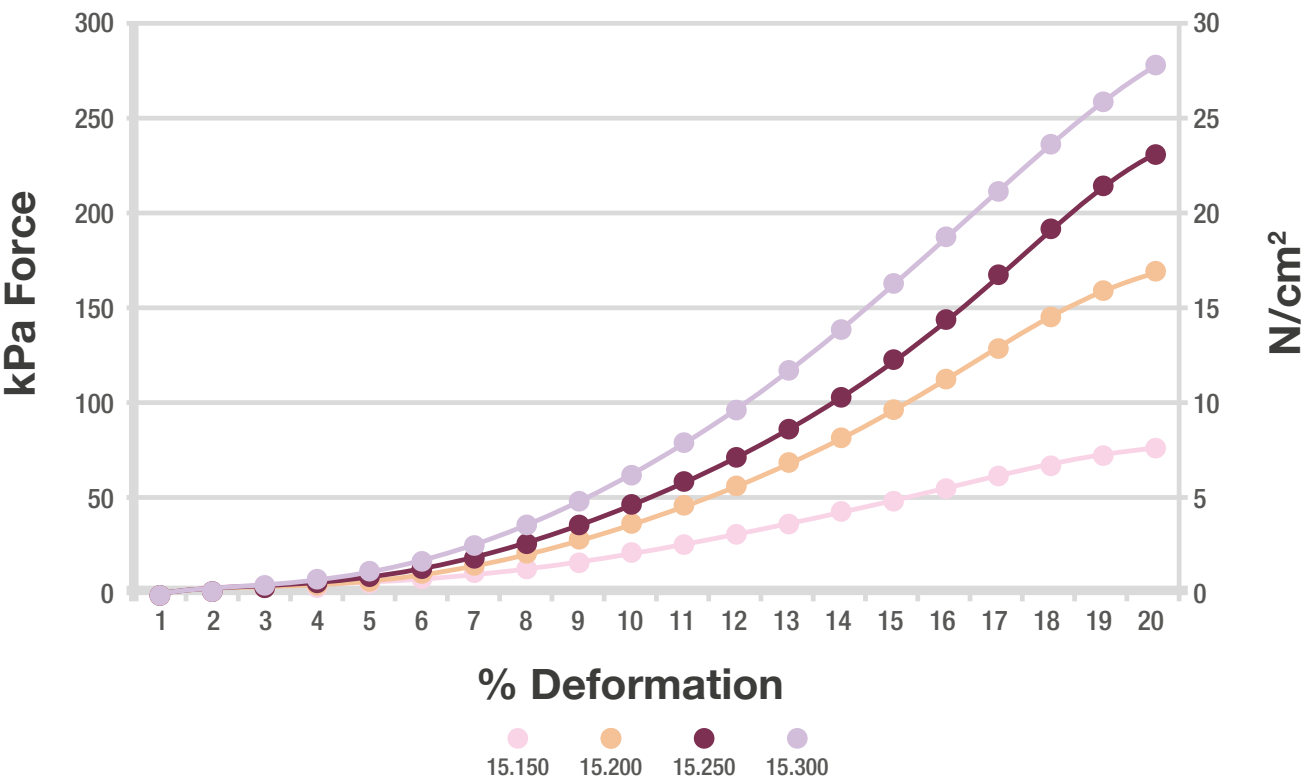


# BS MOUNT Technical features

Compression test • 0.50 mm (20 mils)



Compression test • 0.38 mm (15 mils)





Available ranges

Product	PLATINUM	TITANIUM	US	TPS-LT	TITANIUM OPP	NW-CN	TT	TPS
BS MOUNT 15.150								
BS MOUNT 15.200								
BS MOUNT 15.250								
BS MOUNT 15.300								
BS MOUNT 20.100								
BS MOUNT 20.150								
BS MOUNT 20.200								
BS MOUNT 20.250								
BS MOUNT 20.275								
BS MOUNT 20.300								
BS MOUNT 60.250								

Carrier colour    Transparent Liner    \* Products available upon request

The TPS range is available in the following thicknesses:

- 20 series: product thickness 0.59 mm (23 mils) - application thickness 0.54 mm (21 mils)
- 15 series: product thickness 0.46 mm (18 mils) - application thickness 0.43 mm (17 mils)

Available carriers

Tipo	PLATINUM	TITANIUM	US	TPS-LT	TITANIUM OPP	NW-CN	TT	TPS
Reinforced PE foam	●	●	●	●	●	●	●	●

Available liners

Tipo	PLATINUM	TITANIUM	US	TPS-LT	TITANIUM OPP	NW-CN	TT	TPS
Pattern embossed PP film	●	●	●	●				●
Orange peel embossed PP film					●	●	●	

Adhesion performance

Side	PLATINUM	TITANIUM	US	TPS-LT	TITANIUM OPP	NW-CN	TT	TPS
Closed side (plate side)								
Open side (sleeve side)								

Adhesion shown refers to the general performance of the product during application and not to Peel Adhesion values

Natural rubber adhesive    Acrylic adhesive

# Application recommendations

Plate thickness			Application			Plate support			
Product	Low	Medium	High	Wide Web	Narrow Web	Pre-print	Steel cylinder	Aluminium cylinder	Rigid sleeve
BS MOUNT PLATINUM	●			●	●	●	●	●	●
BS MOUNT TITANIUM	●	●		●		●	●	●	●
BS MOUNT US		●	●	●	●	●	●	●	●
BS MOUNT TPS-LT	●	●		●		●	●	●	●
BS MOUNT TITANIUM OPP		●	●	●		●	●	●	●
BS MOUNT NW-CN	●	●	●		●		●		●
BS MOUNT TT	●	●	●	●	●	●	●		●

● Ideal      ● Suitable



PROPER CLEANING HELPS PREVENTING PLATE LIFTING

Cleaning of contact surfaces (cylinders, sleeves and plates) is a determining factor for a good mounting.

The cleaning solvent used affects the double-sided tape adhesion. It is recommended to clean the surface with a clean cloth and a weak solvent, such as isopropyl alcohol, that takes the specific characteristics of the adhesive into account without reducing the adhesion.

SOLVENT	VAPOUR PRESSURE	EVAPORATION RATE	RECOMMENDED WAITING TIME
Acetone	223 mBar	very high	15 sec
Ethyl acetate	97 mBar	high	45 sec
Alcohol	43 mBar	medium	5 min
Retardant*	5 mBar	low	30 min

\*The retardant used in this example is cyclohexanone



PROPER APPLICATION PREVENTS AIR BUBBLES

It is important to apply the same pressure to the whole adhesive tape surface to eliminate air bubbles.

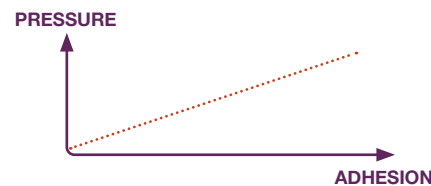
Keeping the winding direction parallel to the sleeve in the adhesive tape application avoids stresses in the material.



HIGHER PRESSURE LEADING TO STRONGER ADHESION

For a strong adhesion, pressure-sensitive tapes (PSA) need the application of higher pressure.

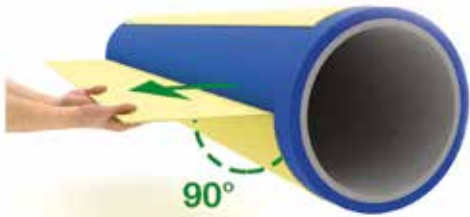
An even pressure distribution on the whole plate surface prevents plate lifting.



CORRECT DEMOUNTING PRESERVES TAPE AND SLEEVE

It is highly recommended to remove the adhesive tape on its full width with a constant speed.

Too rapid tape removal could cause adhesive residue on the sleeve and damage to the tape carrier.



# Why choose **BS MOUNT**



## HANDLING

### EASY TO HANDLE:

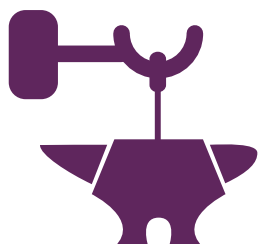
- **Different mass colour** foam for easier identification
- **High internal cohesion** and **double reinforcement** for easier removal avoiding delamination



## CARRIER

### EFFECTIVE CUSHIONING SYSTEM:

- Exclusive **high resilience** formula for perfect printing results at very **high speed** and **long printing runs**
- **Wide range of compressions** for more suitable selection and higher printing yield



## ADHESIVE

### TECHNOLOGICALLY ADVANCED ADHESIVE SYSTEM:

- **Strong adhesion** avoiding tape and plate lifting
- **Clean removal** after printing with no adhesive residues



## LINER

### HIGH PERFORMANCE LINER:

- **Transparent colour** for easier air-bubbles identification
- Surface structure ideal to avoid **the air bubbles problems**

# Your challenges, our mission

The BiesSse group, which has been operating on the global market for **over 40 years**, specializes in the production and conversion of highly performing technical adhesive tapes.

The experience acquired during the years, the advanced proprietary know-how, combined with its on-going commitment in research and development, have enabled the BiesSse group to be **active on various markets** through two distinctive companies operating in close synergy, i.e. :

- **BiesSse Tape Solutions S.p.A.**, for the company's core business
- **BiesSse Equipment Solutions S.r.l.**, for the design and production of industrial equipment and related software.

BiesSse's mission is to develop **integrated solutions** by anticipating the more and more demanding future market requirements, and to innovate the most challenging industrial processes by supporting customers in their search for the most suitable solutions that complying with their requirements.

The company's Adhesive Tapes manufacturing unit (over 11,000 sq.mt.) and the Equipment manufacturing unit (over 2,000 sq.mt.) are equipped with **modern and advanced installations**, in line with Lean practices.

The BiesSse group, with Headquarters in Sedriano, Milan (Italy), operates worldwide through its subsidiaries in Austria and Mexico, availing itself of a professional and strongly committed local workforce in other countries. The **direct presence on the ground** makes it possible to quickly and efficiently respond to customers' demands and to ensure on-going assistance and support.

## BiesSse Tape Solutions S.p.A.

Via Luigi Galvani 2/4 - 20018 Sedriano - Milan - Italy

**Phone: +39 02 9011 1118 - Fax: +39 02 9011 0382**

[info.tapes@biessseworld.com](mailto:info.tapes@biessseworld.com)

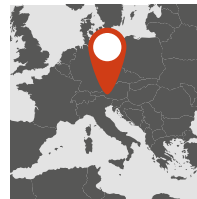


## BiesSse Equipment Solutions S.r.l.

Via Cartesio 7/B - 20018 Sedriano - Milan - Italy

**Phone: +39 02 9011 1118 - Fax: +39 02 9011 0382**

[info.equipment@biessseworld.com](mailto:info.equipment@biessseworld.com)



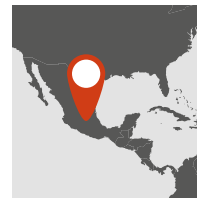
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Austria

**Phone: +43 (0)5332 20950**

**Fax: +43 (0)5332 20955**

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**Phone: +52 (0)55 2926 0273**

[biesSsemexico@biessseworld.com](mailto:biesSsemexico@biessseworld.com)

Process innovation through:

## **Tape** solutions

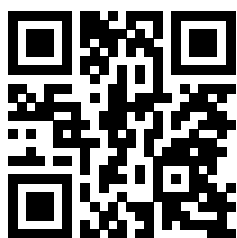
Highly performing technical adhesive tapes  
for the most challenging industrial applications

## **Equipment** solutions

Cutting-edge proprietary equipment  
for adhesive tapes applications

## **Software** solutions

Multiplatform, user-friendly software  
supporting industrial automation



[www.biesSseworld.com](http://www.biesSseworld.com)