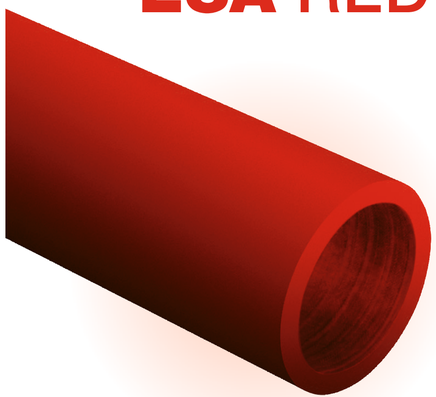
SPEEDWELL Sleeves

ESA RED SLEEVE



THE WORLD'S FIRST AND ONLY ATEX AND CERISIE CERTIFIED EXPLOSION PROOF PRINTING SLEEVE

Rossini's ESA RED SLEEVE has been specifically engineered and formulated for rotogravure printing with an Electrostatic Assist (ESA) system. The function of the ESA RED SLEEVE is to eliminate the ionization effect that occurs with traditional black rubber compounds with carbon black as the conductive element.

Sleeve for electrostatic assist printing with volumetric resistance, surface resistance, dynamic resistance and insulation values specific to the ESA systems supplied by **Ace®** , **Eltex®**, **Enulec®**, **Hurletron®**, **RotaDyne®** and **Spengler®**.

ESA Rubber

Sleeve for printing with a Top-Loading electrostatic assist system with volumetric resistance, surface resistance, and insulation values specified by Ace, Eltex, Enulec, Spengler. Hardness: from 70 to 90 Shore A.

Electrolast PU

Sleeve for printing artificial wood and thin board with Direct-Charge or Top-Loading electrostatic assist systems. Volumetric resistance, surface resistance, and insulation values specified by Ace, Eltex, Enulec, Spengler. Hardness: from 80 to 95 Shore A.

COLOUR HARDNESS

Colour codes applied to different sleeve models identify corresponding hardness levels.

75 +/- 3 Shore	80 +/- 3 Shore	85 +/- 3 Shore	90 +/- 3 Shore	ESA
Yellow	**Blue**	**Red**	**Green**	**White + hardness colour**

Carmi e Ubertis Casale

Rossini Spa reserves the right to modify the presented products at any time and without notice.

SPEEDWELL Sleeves

Rossini s.p.a.
HeadQuarters

Via de Gasperi, 5
20027 Rescaldina, Milano - Italy
Tel.: +39 0331 47 27 11
Fax: +39 0331 57 97 46
Email: comm.dept@rossini-spa.it

Production facilities

Rossini India Printing Rollers Pvt. Ltd.
Plot No. C-22/2, MIDC Phase - II,
Chakan Industrial Area,
Pune - 410501, Maharashtra, INDIA
Tel.: +91 2135 627800
Email: info@rossini-india.com
comm.dept1@rossini-india.com

Rossini s.p.a.
L'Aquila
Nucleo industriale de L'Aquila
Comprensorio di Bazzano
67100 L'Aquila - Italy
Tel.: +39 0862 44 561
Fax: +39 0862 44 15 32

Rossini
Spain
Camí del Mig, 8-10, 08349
Cabrera De Mar (Barcelona) - España
Tel.: +34 93 759 60 33
Fax: +34 93 759 35 35
Email: rossini@rossinispain.com

Rossini
North America Inc.
4305 Creek Park Drive
Suwanee, GA 30024USA
Tel.: +1 (678) 482-0835
Fax: +1 (678) 482-0837
Email: sales@rossini-na.com

Rossini
Do Brasil
Ind.E Com. De Plasticos e Borrachas Ltda
Rua Tapabua S/Nr.
Lote 12b qd.4 C. Empresar.
Rod. Anhanguera km 33, Cep 07750-000
Cajamar – SP – Brasil
Tel.: +55 11 4446 64 56
Fax: +55 11 4446 62 42
Email: rossini@rossini-brasil.com.br
Website: www.rossini-brasil.com.br

Rossini
Sleeve Technologies
Chisoda D.N. 59, Km 8+550
M Conform C.F. 307221
Chisoda - Timisoara, Romania
Tel.: +40 356 45 68 94
Fax: +40 356 45 81 96
Email: sleeves.technology@gmail.com

Sales offices

Rossini
UK Ltd.
Breach House
Breach, Clutton
Bristol BS39 5QR - England
Tel.: +44 1761 45 38 83
Fax: +44 1761 45 38 83
rossinisleeves@btconnect.com

Rossini
France
B.P. 23
68720 IllfurthFrance
Tel.: +33 03 893 191 20
Fax: +33 03 890 641 54
rossini.france@wanadoo.fr

Rossini
GmbH
Toni Bauer Strasse, 8
53894 MechernichGermany
Tel.: +49 2443 31 47 59
Fax: +49 2443 90 23 48
info@rossini-germany.com

Rossini Erminio Printing Rollers (Shenzhen) Co., Ltd.
Ground Floor, Block 1, Crown Industrial Park, 9th Terra Road, Futian District, 518040, Shenzhen, P.R.of China
Tel.: +86-755-83480901
Fax: +86-755-83480902
Email: rossini@rossini-sz.com
Website: www.rossini-sz.com

www.rossini-spa.it

ROSSINI

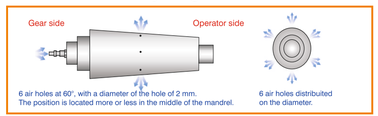
SPEEDWELL Sleeves

ROSSINI

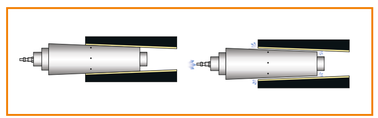
SPEEDWELL SleeveSystem

Rossini Speedwell Sleeve has been tried and tested in thousands of systems installed world over and has become a true reference point for leading Rotogravure printing and converting machines. The system consists of an air mandrel together with a wide range of fiberglass and fiberglass / carbon sleeves with specific coatings to ensure the greatest degree of flexibility for Rotogravure printing / Lamination and Coating.

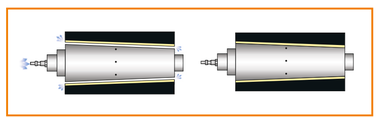
The three assembly stages of a sleeve onto a mandrel



A) Speedwell Air Mandrel *Tapered Mandrel*

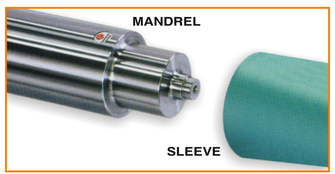


B) Mandrel with sleeve fitted just before the air holes

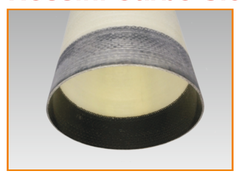


C) Mandrel with sleeve fully fitted

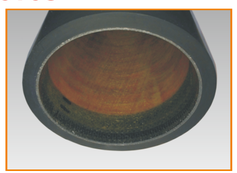
Sleeve change in the machine.



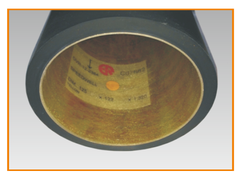
Rossini Carbo Sleeves



Fiberglass



Operator Side



Motor Side

COMBINED FIBERGLASS AND CARBON FIBER TO MANUFACTURE A SOLID BUT FLEXIBLE SUPPORT FOR THE SLEEVES

Rubber Covering

A wide range of **Fiberglass** and **Fiberglass / Carbon** Sleeves with specific Coatings for every Rotogravure publication and Flexible Packaging application.

Polycoat G Green Colour
Specifically formulated for applying dual-component solventless adhesives.
Hardness: from 70 to 90 Shore A. Maximum working temperature of 160°C.

Neopress B - Red
Printing impression roller resistant to aliphatic solvents and for high pressures up to 50 Kg per linear cm. Repels ink and is not affected by various substrate widths. Hardness: from 55 to 90 Shore A. High Resistance to abrasion.

Neopress C Stat
Printing impression roller for water-based inks and for alcohol-based inks.
Disperses static charges via rubber and via carbon sleeve.
Hardness: from 70 to 90 Shore.

Neopress G Stat
Printing impression roller resistant to acetates, alcohols and MEK.
Disperses static charges via rubber and via carbon sleeve.
Hardness: from 55 to 85 Shore A. Maximum working temperature of 160°C.

Silicon
Silicone elastomer designed for low surface tension / non-stick applications.
Suitable for extrusion coating and cold seal applications. Hardness: from 60 to 85 Shore A. Maximum working temperature of 200°C.

Hypalon F
Specifically formulated for coating hot melt and mono-component solventless adhesives. Hardness: from 60 to 90 Shore A.
Maximum working temperature of 150°C.

Viton
Fluoroelasticomeric coating, resists contact with aromatic solvents (toluol, xylol) for specific applications. Hardness: from 70 to 85 Shore A.
Maximum working temperature of 200°C.

Idropol B Grey Colour
The Idropol B can be used for different applications as it has very good resistance to abrasion.
It can work well in contact with water, aliphatic solvent, oils & is resistant to Ozone.
Hardness from 45 to 70 Shore A

Idrolast Blue
A specially formulated soft rubber compound with a very high coefficient of friction and is specially used for layon rollers. Resistant to water, oils, aliphatic solvents, ozone & fat ink for offset printing.

Microlast
It is an open cell compound used to spread the film on the roller on the winding section.
Hardness: 40 Shore 00.

Rubber Rollers

STEEL BASE

Our steel bases are designed and manufactured exactly as per OEM's specifications & as per world standards set for the printing & converting industry. Some of the salient features of our Steel base construction are given below:

- Rossini does not manufacture the shaft with flange-type construction but always from a solid bar. This type of construction beside being more appropriate in our opinion, minimizes the balancing problems and allows to balance the rollers by making precise holes in the solid shaft at proper dia and radial position.
- Our construction shafts are always heat coupled and welded to the tube.
- No threading or grooves on Steel base while Rubber Covering. Rossini technology guarantees rubber adhesion on the steel base without any specific threading done on the surface of steel base for adhesion. This helps in increasing the life of the steel base maintaining a constant OD of the steel base during the years. In case of threading after a few occasions of re-rubberizing the OD of the steel base reduces which results in less thickness of the steel base & consequential loss of its mechanical properties.
- 0.03 mm Parallelism over the Rubber Surface.
- Highly precise bearing housing size tolerance maintained.
- Customized steel base with specialized construction for specific applications like printing, laminating, extrusion coating, Hotmelt coating etc.