

# ONYX<sup>®</sup>+ & ONYX<sup>®</sup> PREMIUM

## PLATE MOUNTING SLEEVES

conductive an optimal solution for HD-Flexo printing ...

... conductivity is safety tested based on the certified **POLYWEST**-Sleeve-Technology testing method

... with the **POLYWEST-ONYX<sup>®</sup>**-surface – well-proven and tested in flexo printing

... is ideal to print with solvent inks

### PRODUCT PROPERTIES

#### PRINT CIRCUMFERENCE

- Plate mounting Sleeves for all repeat ranges

#### PRINTING QUALITY

- a technically advanced well-tested construction for long-term use, guaranteed form stability in parallelism and diameter
- register accuracy with permanent repeatable print parameters
- an excellent solution for HD-Flexo printing
- Examination certificate issued by professional association (BG) about electrostatic conductive surface

#### PRACTICAL IMPLEMENTATION

- solid and lightweight structure of the **ONYX+** Sleeve through stable support construction
- solid and ultra-lightweight structure of the **ONYX<sup>®</sup> PREMIUM** Sleeve through stable support construction and extra protected ends
- over many years proven and tested **POLYWEST-ONYX<sup>®</sup>**-surface
- possible adaptation of the format length by a new surface structure
- additional safety in printing with solvent inks



# ONYX®+ & ONYX® PREMIUM

## PRODUCT DESCRIPTION

PRODUCT PROPERTIES	PRODUCT DESCRIPTION
<b>Product</b>	Plate mounting Sleeve
<b>Printing method</b>	Flexo printing
<b>Air Cylinder</b>	
- Diameter	60,595 mm up to 595,105 mm
- STORK-Type	210 up to 1890
<b>Dimensions</b>	
- Print width (Sleeve length)	Min. 300 mm up to 2.835 mm
- Format length	Up to 2.100 mm
- Wall thickness	1 mm up to 150 mm
<b>Construction</b>	Multi-layer construction with additional form stabilising structure
<b>Premium sleeve ends</b>	Both sides reinforced
<b>Surface</b>	ONYX® electrostatically conductive Fulfil the guide lines set out under 94/9/E6 (former ATEX 95)
<b>Tools for safe cutting</b>	POLYWEST cutmaster and circular knife
<b>Printing inks</b>	Solvent based inks, water-based inks or UV inks
<b>Use of adhesive tapes</b>	Useable for all products available on the market
<b>Technical description</b>	
- External diameter tolerance	+/- 0,02 mm
- Weight	Multi-layer build-up for weight reduction
- Length tolerance	DIN ISO 2768 T1 m
- Dielectric permittivity	Fulfil the guide lines set out under BG-Test Certificat based on DIN 53489, DIN IEC 60093 and ISO 554
- Form and position variance	DIN ISO 2768-mk
- Surface hardness	DIN 53505 80° Shore D
- Run-out tolerance	Max. 0,025 mm
- Material	Polyurethane with scratchproof and solvent resistant surface (see product information - <a href="http://www.polywest.de/en">www.polywest.de/en</a> -)
- Notch type	Directly milled out, plastic reinforced or included in Alu- resp. stainless steel ring
- RFID CHIP	Smart GPS possible starting from 4,5 mm wall thickness
- Mounting lines	Axial and/or radial mounting lines on request
- Sleeve repair	Based on overall condition of the sleeve (on request additional expert opinion)
- Surface cleaning	Common cleaner based on ethanol or isopropanol
<b>Leakage resistance</b>	
- Volume resistivity	$R < 10^6 \Omega$ (Ohm) based on DIN IEC 60093
<b>Heat resistance</b>	From 0 up to 50 degree Celsius by designated use
<b>Storage/Transport</b>	Upright standing, secured against toppling over Avoiding of impact by frost and overheating

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