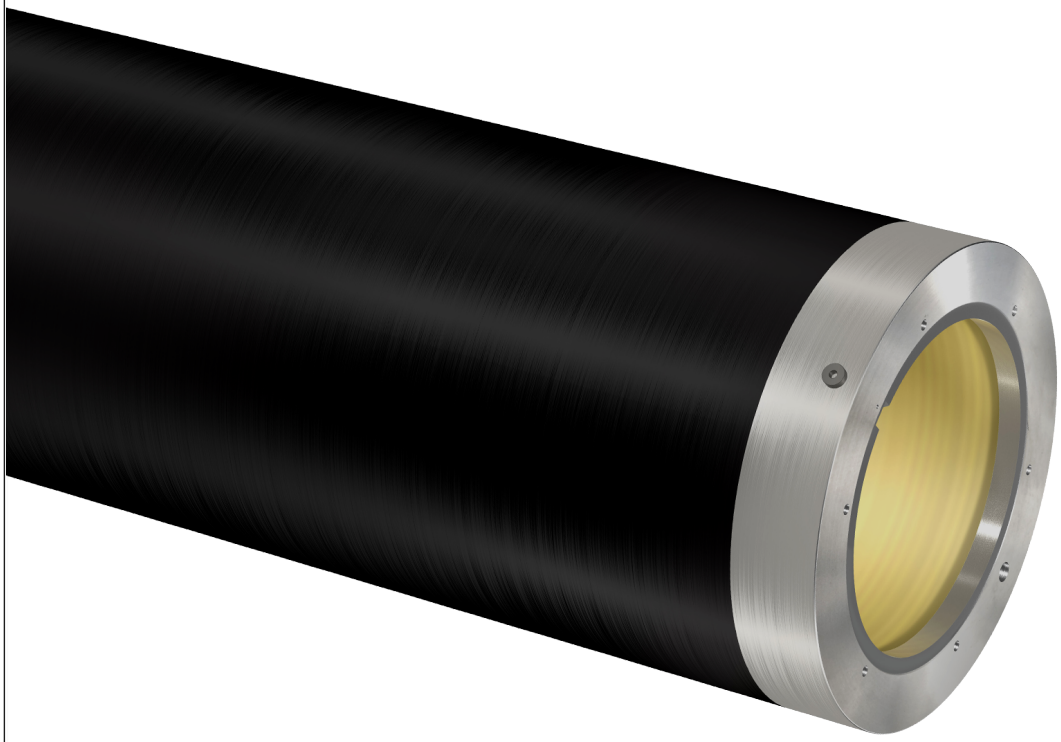
# FastBridge® HM

Winner of Technical Innovation Award FTA-USA



3 years warranty

antistatic sleeve

hardness 75 ShD

HD print level

humidity resistant

manual handling

mechanical resistance

protection ring metal

PTB Norm compliant

Pneumatic adapter engineered to perform a consistent absorption of print vibrations at different production speeds thanks to the application of very high modulus carbon fibers layed at specific angles newly defined by the R&D department of Rossini.
Rossini patent no. 2844476

Comprehensively tested for print speeds up to 800 [m/min], FastBridge adapters provide an average print speed gain of at least 30%, especially on vibration prone print jobs. Outstanding performance, ease of handling and maintenance free operation make it a superior alternative to hydraulic adapters. Metal ends that improve its resistance to impact and wear over time.

It is anti-static and can be used with all Rossini plate sleeves. This special High Modulus Carbon fiber adapter reduces vibration and enhances printing quality, allowing to

achieve considerably higher production speeds. FastBridge is available both Side Air and Flow Through configuration.

## structure

Fibreglass base sleeve. Outer tube in high module (HM) carbon fibre. The aluminium side flanges guarantee total resistance against humidity and solvent penetration. Register notch built into the protective steel ring mounted on the flange.

## specifications

| | |
|---|---|
| **Colour** | Black |
| **Max Diameter** | 700 [mm] // 27.559" |
| **Min/Max Length - Tolerance UNI:ISO 2768T1m** | 350 - 2.850 [mm] // 13.78" - 112.205" |
| **Thickness** | 7,5 - 70 [mm] // 0.295 - 2.756" |
| **Surface hardness - Tolerance +/-5 Shore D** | 75 Shore D |
| **Electrical resistance** | < 1 MOhm |
| **Compressed air for sleeve mounting on the carrier** | 6 - 10 [bar] // 87 - 145 PSI Minimum capacity: 700 [l//min] with air input having a free passage with D => 8[mm] |
| **Operating temperature** | 18° - 40 °C // 64,4 - 104 °F |
| **Max printing speed** | 800 [m/min] |
| **Register notch** | Protection steel ring with integrated register notch |
| **Side flanges** | Standard: Aluminum - Optional: Carbon fibre |
| **Working tolerance** | External finishing with precision grinding (Ra=0.8) with T.I.R. < 0.02 mm] when measured on a mandrel with T.I.R. <= 0.005 [mm] |
| **Cleaning and Storage** | Use ethanol with an additional max 20% of ethyl acetate; store vertically |
| **Warranty** | 3 year |

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