

POLYCARBON ADAPTERS

PRODUCT DESCRIPTION

As one of the leading companies, Polywest offers sleeve and adapter solutions for flexographic printing. We have been active for our customers worldwide with products „Made in Germany“ for over 30 years. Continuously the product portfolio was expanded and further developed according to the wishes and needs of our customers.

With the **POLYCARBON** adapters, Polywest offers a three-stage system for flexographic printing. All POLYCARBON adapters have a wear-resistant and robust carbon surface that, in addition to vibration dampening, also withstands frequent handling or sleeve changes. Polywest develops and qualifies its adapters in cooperation with well-known leading machine manufacturers in order to meet the quality standards and expectations of OEMs and packaging printers.

PROPERTIES

NEW STANDARDS THROUGH CARBON

- Available with all common air supply and air distribution systems.
- Proven for years and tested a thousand times.
- Unique Polywest construction made of high-quality carbon fibers and multiple layer structure for long-term use.
- High register accuracy for permanent, repeatable printing performance.
- Robust carbon surface withstands frequent sleeve changes and enables easy sleeve assembly.
- Low weight with high strength and rigidity for optimal printing results.
- Repair service.



POLYCARBON

TYPES

POLYCARBON BASIC – The smart adapter for daily use

- Solid construction.
- Clever, fast and inexpensive.
- Proven POLYCARBON surface.

POLYCARBON FAST – The speed master among the adapters

- High quality and high speed.
- Max. vibration damping due to ultra-high-modular carbon fibers.
- For highest demands with maximum speed
- Silent flow technology optionally available.

POLYCARBON ALLROUND – The all-rounder among the adapters

- Vibration-dampening structure.
- Suitable for almost all print jobs.
- Improved printing performance at higher speeds.
- Robust lightweight construction for optimized handling.
- Silent flow technology optionally available.

POLYCARBON HYDRAULIC

- Extremely smooth printing at maximum machine speed.
- High performance carbon surface made by Polywest.
- Proven hybrid technology in combination with steel discs.
- Excellent printing performance through multi-layer structure.
- Manufactured on original hydraulic shafts from OEMs.

POLYCARBON BASIC	POLYCARBON ALLROUND	POLYCARBON FAST	POLYCARBON HYDRAULIC
5 mm – 40 mm	15,9 mm – 100 mm	15,9 mm – 150 mm	14,5 mm – 150 mm
 Antistatic	 Antistatic	 Antistatic	 Antistatic
 CFK	 CFK	 CFK	 CFK
 Outstanding TIR	 Outstanding TIR	 Outstanding TIR	 Outstanding TIR
 Dimensionally stable	 Dimensionally stable	 Dimensionally stable	 Dimensionally stable
	 Lightweight	 Lightweight	 Lightweight
	 Anti-Bouncing	 Anti-Bouncing	 Anti-Bouncing
		 High Quality @ Max. speeds	 High Quality @ Max. speeds

POLYCARBON

SPECIFICATION

DIMENSIONS

SAdapter length	250 mm – 2850 mm (DIN ISO 2768 T1 m)
Format length	Up to 2100 mm
Wall thickness	Basic: 5,0 mm – 85 mm Allround: 15,9 mm – 100 mm Fast: 15,9 mm – 150 mm Hydraulic: 14,5 mm – 150 mm Special sizes on request.

TECHNICAL DETAILS

Surface	high-tech carbon fiber in a polymer matrix, antistatic according to 94/9/ EG (formerly ATEX95), solvent-resistant
Weight	lightweight construction with multiple layers
Face	reinforced and protected on both sides (Basic optional)
Roundness / TIR tolerance	<0,020 mm (test cylinder <0,005 mm at 20°C)
Notches (optional)	plastic reinforced, stainless steel or polyurethane ring
Air supply	separately / externally or via air cylinder

USE & STORAGE

Surface cleaning	on the chemical basis of ethanol / isopropanol
Temperature resistant	15 – 40°C when used properly
Storage / transport	standing, secured against falling over, protection against frost and heat. Transport only horizontally in wooden boxes
Compressed air supply	6 – 8 bar with an air volume of 12 l / sec, (87 – 116 psi, 0,42 – 0,56 ft ³ / sec) Inside diameter of air supply: >=10 mm

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