



*Your Print - Our Mission*

## **POLYWEST CARBONADAPTER**

























- **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**



# POLYWEST – NEW STANDARDS THROUGH CARBON

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 35 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.

POLYCARBON BASIC	POLYCARBON ALLROUND	POLYCARBON FAST	POLYCARBON HYDRAULIC
5 mm – 85 mm	15,9 mm – 100 mm	15,9 mm – 150 mm	14,5 mm – 150 mm
 Antistatic	 Antistatic	 Antistatic	 Antistatic
 Carbon	 Carbon	 Carbon	 Carbon
 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 BASIC

- Solid construction
- Clever, fast and inexpensive
- Proven POLYCARBON surface
- POLYCARBON BASIC - The smart adapter for daily use



## POLYCARBON ALLROUND

- 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 ALLROUND - The all-rounder among the adapters



## POLYCARBON FAST

- High quality @ high speed
- Max. vibration damping due to ultra-high-modular carbon fibers
- For highest demands with maximum speed
- Silent flow technology optionally available
- POLYCARBON FAST - The speed master among the adapters



## 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



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## DIMENSIONS

<b>Adapter length</b>	250 mm – 2500 mm (DIN ISO 2768 T1 m)
<b>Format length</b>	Up to 2100 mm
<b>Wall thickness</b>	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

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

## USE & STORAGE

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

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Product video



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