

CARBON FIBRE ADAPTER

for hydraulic clamping

Carbon Fibre Adapter for your F&K® / Fischer&Krecke® *CI Flexoprinting machine ...

... on the basis of the well-proven POLYWEST technology with high performance carbon fibre tubes
... for CI flexoprinting machines type F&K FP 16-S and F&K 20 SIX®

POLYWEST offers:

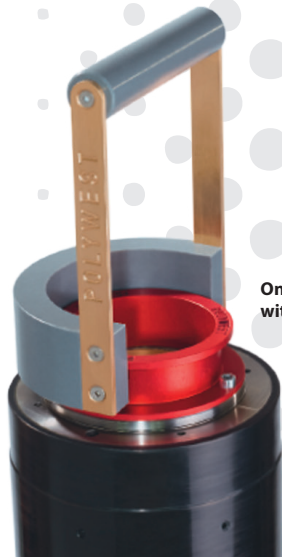
- Renewal / Reconditioning of worn out or damaged OEM-Clamping Adapters
- Production of new clamping adapters, single pieces, full sets and complete machine equipment

PRODUCT PROPERTIES:

- Good printing results due to carbon fibre construction
- High printing speeds up to 600 m/min
- Carbon fibre surface guarantees low-wear operation
- Intensively tested at the DFTA technology centre in Stuttgart / D
- Production on original BOBST® hydraulic clamping mandrels
- Available for printing width AB 1050, 1250, 1350 and 1450 mm
- Established in more than 10 countries at more than 30 users worldwide

ADVANTAGE OF POLYWEST CARBON FIBRE CLAMPING ADAPTERS:

- Short delivery time for reconditioning and new production
- Reconditioning with carbon fibre surface at low costs!
* Optional: fitting with ball valves
- Excellent fatigue strength
- Low thermal expansion



On demand:
with pull handle



* Remark: all mentioned product- and company names marked with ® or ™, specially F&K®, Fischer&Krecke®, BOBST®, FP 16-S® and 20 SIX® are property of BOBST Group Lausanne/ Switzerland or of BOBST Bielefeld GmbH/Germany. The naming of those product- and company names take place only to allow the customers to identify for what flexoprinting machines the POLYWEST products can be used with. All trademarks and company names be still property of the BOBST-Group/BOST Bielefeld GmbH.

CARBON FIBRE ADAPTER

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PRODUCT DESCRIPTION

PRODUCT PROPERTIES	PRODUCT DESCRIPTION
Product	Carbon fibre adapter for hydraulic clamping mandrel
Printing machine	Flexo printing Fischer&Krecke® FP 16-S® and 20 SIX® Presses
Application	Available for all repeat length and plate mounting sleeves
Air Cylinder / hydraulic clamping mandrel	
- Diameter	89,243 mm
- Stork-Type	300
Dimensions	
- Print width	1050 mm, 1250 mm, 1350 mm, 1450 mm
- Face length	1085 mm, 1285 mm, 1385 mm, 1485 mm
- Format length	400 up to 1000 mm, larger format on special request
- Wall thickness	10 mm up to 150 mm
Construction	Hybrid-multi-layer construction out of GFRP (glass fibre reinforced plastic) and CFRP (carbon fibre reinforced plastic) with / without circular blanks (design is based on calculated wall thickness) The specific design of an adapter is in compliance with safety regulations
Face Sides	Made out of stainless steel
Surface	High CFRP for modern industrial applications
Air supply and piping system	Air supply: feed in by the hydraulic clamping shaft
Supply of compressed air	Compressed air with pressure $p = 6$ up to 8 bar (87 up to 116 psi) in combination with minimum airflow of $V = 12$ l/sec (0.4236 – 0.5649 cubic/ftsec) via air pipe with minimum diameter D inside = 10 mm
Clamping System	Hydraulic clamping of carbon fibre adapter on shaft
Technical description	
- External diameter tolerance	0 up to + 0,015 mm
- Length tolerance	DIN ISO 2768 T1 m
- Form and position variance	DIN ISO 2768-mk
- Run-out tolerance	Max. 0,02 mm measured on air cylinder with TIR of 0,005 mm
- Material	High CFRP with the specific character of tensile strength and high elastic modulus for modern industrial applications in combination with GFRP
- Dielectric permittivity	Carbon fibre adapters are conductive and fulfil always the guide lines 94/97EG (ATEX95)
- Surface cleaning	Resistant against common cleaner
Heat resistance	From 0 up to 50 degree celsius by designated use
Safety regulation	For safety reasons it is only allowed to make changes by POLYWEST
Storage / Transport	Upright standing, secured against toppling over or in boxes on cones Transport only in wooden boxes in horizontal position Avoiding of impact by frost and overheating

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