

ACCESSORIES

INK/DOCTORING CUPS



For all "hermetic" standard pad printing machines

Ink/doctoring cup 1-, 2-, 3-colour

Thrust collar 2-colour for "hermetic" pad printing machines \varnothing 90–210 mm

Thrust collar adapter for "hermetic" pad printing machines \varnothing 90 mm

ORIGINAL

TAMPOPRINT®

Tampon printing machines
ALFALAS® Laser Systems
Automations

Field of application:

- **Scope of supply for all TAMPOPRINT "hermetic" pad printing machines with ink/doctoring cup Ø 30 to 210 mm**
- **3 designs: Aluminium, plastics, steel**
- **Can be used for following cliché types:**
Steel, ceramic, Aloxid-special, Magnet-Aloxid-, record-special, Magnet-Screen, Magnet-Aqua, Magnet-Eco, Magnet-microflex clichés, INTAGLIO laser cliché
- **Print image sizes:**
Ink/doctoring cup Ø 60 mm: max. Ø 55 mm (SR Ø 58 mm)
Ink/doctoring cup Ø 90 mm: max. Ø 85 mm (SR Ø 88 mm)
Ink/doctoring cup Ø 130 mm: max. Ø 120 mm
Ink/doctoring cup Ø 150 mm: max. Ø 140 mm
Ink/doctoring cup Ø 210 mm: max. Ø 190 mm (SR Ø 200 mm)

Your advantage:

- ✓ Extensive service/maintenance packages (see below).
- ✓ Ink/doctoring cup at economy price
- ✓ The best ink/doctoring cups in the market



Description:

The following 3 materials are used for the ink/doctoring cups 1-colour Ø 30 to 210 mm:

| Material | Machine series | Ø Ink/doctoring cup |
|-----------|---|---------------------|
| Plastics | all standard machine series (ENCODER with additional thrust collar) | 60, 90 mm |
| Steel | ENCODER | 30, 40, 60 mm |
| Aluminium | all standard machine series | 60–210 mm |

Service offers:

- ✓ **Plastic ink/doctoring cups**
Exchange of the customer ink/doctoring cup against calculation.
Mechanical lapping (only possible if there are no damages on the doctoring lip).
- ✓ **Aluminium ink/doctoring cups**
Exchange + mechanical lapping of doctoring lip + sealing ring.
- ✓ **Steel ink/doctoring cups**
Exchange of doctoring lip + mechanical lapping.
If doctoring lips are fully worn (contact surface wider than 0,3 mm) an exchange of the doctoring ring is basically recommended.
- ✓ **Non-binding quotation**
Please send us your ink/doctoring cup. We will check it free of charge and will send you a non-binding quotation.

Overview of all ink/doctoring cups 1-colour see page 8

Field of application:

- In TAMPOPRINT "hermetic" pad printing machines with ink/doctoring cup Ø 60 mm and Ø 90 mm
- **Can be used for following cliché types:**
Steel, ceramic, Aloxid-special, Magnet-Aloxid-, record-special, Magnet-Screen, Magnet-Aqua, Magnet-Eco, Magnet-microflex clichés, INTAGLIO laser cliché
- **Print image size:**
Ink/doctoring cup Ø 60 mm: max. Ø 55 mm
Ink/doctoring cup Ø 90 mm: max. Ø 85 mm

Your advantage:

- ✓ Immediate check of the ink condition
- ✓ Ink/doctoring cup can be opened while it is still in the machine
- ✓ Re-filling of ink into ink/doctoring cup while it is still in the machine
- ✓ ClipLock® closure uses the complete ink/doctoring cup diameter as an opening
- ✓ Improved economy of set-up time and ink consumption
- ✓ Downtimes during production will be considerably reduced
- ✓ Extensive service/maintenance package (see below)
- ✓ Glass stirring staff and solvent pipette included in delivery
- ✓ Easy handling with gripper for lid



Description:

2 materials are used for the ink/doctoring cups ClipLock® 1-colour Ø 60 mm to 140 mm.

| Material | Machine series | Ø Ink/doctoring cup |
|-----------|---|---------------------|
| Plastics | Series CONCENTRA, HERMETIC 6-12, RAPID, SEALED INK CUP E, TSQ, TSM, V-DUO | 60, 90 mm |
| Aluminium | all standard machine series | 130, 140 mm |

Service offers:

- ✓ **Plastic ink/doctoring cups**
Mechanical lapping (only possible if there are no damages on the doctoring lip).
- ✓ **Non-binding quotation**
Please send us your ink/doctoring cup. We will check it free of charge and will send you a non-binding quotation.

Spare parts:

| | |
|------------------------|-------------------|
| Lid ClipLock® Ø 60 mm | Item No. 09 01 65 |
| Lid ClipLock® Ø 90 mm | Item No. 09 01 66 |
| Lid ClipLock® Ø 130 mm | Item No. 09 09 22 |
| Lid ClipLock® Ø 140 mm | Item No. 09 09 22 |
| Glass stirring staff | Item No. 09 01 69 |
| Solvent pipette | Item No. 09 01 75 |

Option:

| | |
|-----------------------------------|-------------------|
| Gripper for lid ClipLock® Ø 60 mm | Item No. 09 01 67 |
| Gripper for lid ClipLock® Ø 90 mm | Item No. 09 01 68 |

Overview of all ink/doctoring cups 1-colour see page 8

Field of application:

- In all TAMPOPRINT "hermetic" pad printing machines with ink/doctoring cup Ø 60 mm and Ø 90 mm
- **Can be used for following cliché types:**
Steel, ceramic, *Aloxid-special, Magnet-Aloxid, *record-special, *Magnet-Screen, *Magnet-Aqua, *Magnet-Eco, Magnet-microflex clichés, *INTAGLIO laser cliché
(* When using these cliché types the lifetime of the clichés may be limited)
- **Print image sizes:**
Ink/doctoring cup Ø 60 mm: print image size max. Ø 55 mm
Ink/doctoring cup Ø 90 mm: print image size max. Ø 85 mm
Non-printing area around the centre bar approx. 5 mm

Your advantage:

- ✓ 2 different-coloured print images (side by side) in one printing process with a 1-colour "hermetic" pad printing machine.
- ✓ Extensive service/maintenance package (see below).



Description:

The ink/doctoring cup 2-colour Ø 60 mm

consists of a steel base body with an attached doctoring lip made of sintered metal, eroded from solid material, and a centered separating web.

The ink/doctoring cup 2-colour Ø 90 mm

is an aluminium base body with our well-tried doctoring lip made of sintered metal. The ink separation takes place via a separately inserted aluminium separating web with an exchangeable plastic doctoring lip. If the doctoring ring or doctoring lip are wearing down, they can be exchanged at TAMPOPRINT.

Service offers:

- ✓ **Ink/doctoring cup Ø 60 mm**
Exchange of hard metal doctoring lip + mechanical lapping.
- ✓ **Ink/doctoring cup Ø 90 mm**
Exchange of doctoring ring + hard metal doctoring lip + mechanical lapping.
- ✓ If doctoring lips are fully worn (contact surface wider than 0,3 mm) an exchange of the doctoring ring is basically recommended.

Accessories required:

| | |
|---|--|
| Thrust collar multicolour Ø 60 mm | Item No. 09 00 86 |
| Ink/doctoring cup 2-colour Ø 60 mm, steel | Item No. 09 00 21 |
| Gripping tongs Ø 60 mm | Item No. 09 00 72 (included in delivery of standard machine) |
| Assembly table Ø 60 mm | Item No. 09 00 62 (included in delivery of standard machine) |
| Thrust collar multicolour Ø 90 mm | Item No. 09 01 27 |
| Ink/doctoring cup 2-colour Ø 90 mm, aluminium | Item No. 09 00 58 |
| Gripping tongs Ø 90 mm | Item No. 09 01 40 (included in delivery of standard machine) |
| Assembly table Ø 90 mm | Item No. 09 01 50 (included in delivery of standard machine) |

Field of application:

- In all TAMPOPRINT "hermetic" pad printing machines with ink/doctoring cup Ø 60 mm
- **Can be used for following cliché types:**
Steel, ceramic, *Aloxid-special, Magnet-Aloxid, *record-special, *Magnet-Screen, *Magnet-Aqua, *Magnet-Eco, Magnet-microflex clichés, *INTAGLIO laser cliché (* When using these cliché types the lifetime of the clichés may be limited)
- **Print image size:**
Ink/doctoring cup Ø 60 mm: print image max. 3x 15 mm wide with 5 mm intermediate distance

Your advantage:

- ✓ 3 different-coloured print images (side by side) in one printing process with a 1-colour "hermetic" pad printing machine.
- ✓ Extensive service/maintenance package (see below).

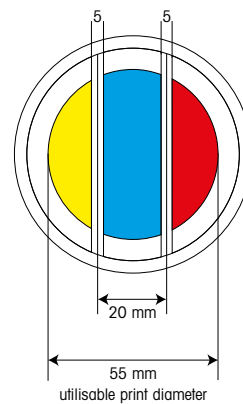


Description:

The ink/doctoring cup 3-colour Ø 60 mm corresponds in its basic concept and material with the two-colour ink/doctoring cup Ø 60 mm. The separation of the ink compartments, however, takes place by means of two separating webs. The doctoring lip is a one-piece doctoring ring with two separating webs.

Service offers:

- ✓ Exchange of hard metal doctoring lip + mechanical lapping
- ✓ If doctoring lips are fully worn (contact surface wider than 0,3 mm) an exchange of the doctoring ring is basically recommended.



■ **Non-printing area**
Separating webs approx. 5 mm each
Centre to centre distance of the separating webs: 20 mm

Accessories required:

- Thrust collar multicolour Ø 60 mm
- Ink/doctoring cup 3-colour Ø 60 mm, steel
- Gripping tongs Ø 60 mm
- Assembly table Ø 60 mm

- Item No. 09 00 86
- Item No. 09 00 22
- Item No. 09 00 72 (included in delivery of standard machine)
- Item No. 09 00 62 (included in delivery of standard machine)

Field of application:

- Use of an ink/doctoring cup Ø 60 mm in a pad printing machine with ink/doctoring cup size Ø 90 mm
- **Can be used for following clichés:**
Steel, ceramic, Aloxid-special,
Magnet-Aloxid-, record-special,
Magnet-Screen, Magnet-Aqua,
Magnet-Eco, Magnet-microflex clichés,
INTAGLIO laser cliché

Your advantage:

- ✓ Your print image is often smaller than 55 mm
- ✓ Print image centre is identical with 90 mm ink/doctoring cup
- ✓ Smaller ink/doctoring cup – reduction of ink waste
- ✓ Your cliché size remains the same
- ✓ Special solutions for deviations from print image centres possible
- ✓ Ink filling capacity is clearly reduced
- ✓ Reduction of disposal costs if 2-component ink is used
- ✓ The gripping tongs and assembly table which are included in delivery can still be used. No necessity to purchase new ones.



Description:

The thrust ring is designed for a TAMPOPRINT plastic ink/doctoring cup.

Note:

You can continue to use the gripping tongs and assembly table which are included in delivery.

No necessity to purchase new ones.

Accessories required:

Thrust collar adapter Ø 90 m
Ink/doctoring cup Ø 60 mm, plastics
Gripping tongs Ø 90 mm
Assembly table Ø 90 mm

Item No. 09 01 37
Item No. 09 00 29
Item No. 09 00 73 (included in delivery of standard machine)
Item No. 09 00 63 (included in delivery of standard machine)

Field of application:

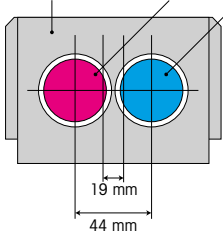
- In "hermetic" pad printing machine with ink/doctoring cup Ø 90 to 210 mm
- **Can be used for following clichés:**
Steel, ceramic, Aloxid-special, Magnet-Aloxid-, record-special, Magnet-Screen, Magnet-Aqua, Magnet-Eco, Magnet-microflex clichés, INTAGLIO laser cliché
- **Print image size:**
Ink/doctoring cup Ø 30 mm: print image 2x max. Ø 25 mm
Ink/doctoring cup Ø 60 mm: print image 2x max. Ø 55 mm
Ink/doctoring cup Ø 90 mm: print image 2x max. Ø 85 mm
Note:
Non-printing area between the ink/doctoring cups: see table down to the right.

Your advantage:

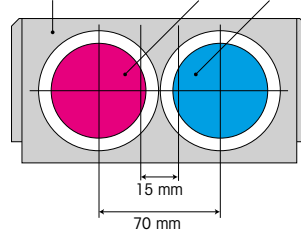
- ✓ 2 different-coloured print images (side by side) in one printing process with a 1-colour "hermetic" pad printing machine.
- ✓ 2 ink/doctoring cups positioned side by side by using our 2-colour thrust collar.



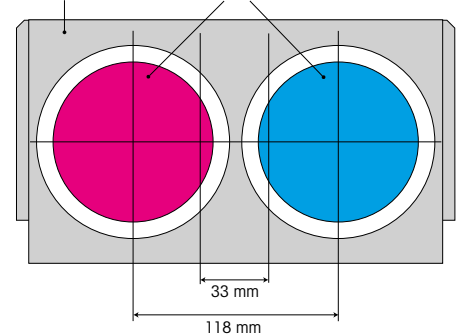
Thrust collar for 2x ink/doctoring cup Ø 30 mm



Thrust collar for 2x ink/doctoring cup Ø 60 mm



Thrust collar for 2x ink/doctoring cup Ø 90 mm



■ **Non-printing area**

| Machine type with the following ink/doctoring cup size | Machine type cliché size depth x width | Thrust collar for the following ink/doctoring cups | Non-printing area between the two ink/doctoring cups |
|--|--|--|--|
| Ø 90 | 100 x 215 mm | 2 x Ø 30 mm | 19 mm |
| Ø 130 | 150 x 300 mm | 2 x Ø 60 mm | 15 mm |
| TSQ Ø 90 | 440 x 100 mm | 2 x Ø 30 mm | 19 mm |
| TSQ Ø 90 | 600 x 100 mm | 2 x Ø 30 mm | 19 mm |
| TSQ Ø 90 | 800 x 100 mm | 2 x Ø 30 mm | 19 mm |
| TSQ Ø 130 | 730 x 150 mm | 2 x Ø 60 mm | 15 mm |
| TSQ Ø 130 | 930 x 150 mm | 2 x Ø 60 mm | 15 mm |
| TSG Ø 210 | 220 x 500 mm | 2 x Ø 90 mm | 33 mm |
| TSM 60/90 universal transverse doctor kit | 100 x 440/600/800 | 2 x Ø 30 mm | 19 mm |
| TSM 130 universal transverse doctor kit | 150 x 730/930 | 2 x Ø 60 mm | 15 mm |
| TSM 60/90 universal multiple colour kit Solo | 100 x 215 | 2 x Ø 30 mm | 19 mm |

Accessories required:

- Thrust collar 2-colour Ø Ø 30 mm Item No. 09 01 35
- 2 ink/doctoring cups Ø 30 mm, steel Item No. 09 00 01
- Gripping tongs 2-colour Ø 30 mm Item No. 09 01 43
- Assembly table 2-colour Ø 30 mm Item No. 09 01 52

- Thrust collar 2-colour Ø 60 mm Item No. 09 01 36
- 2 ink/doctoring cups Ø 60 mm, steel Item No. 09 00 03
- Gripping tongs 2-colour Ø 60 mm Item No. 09 01 44
- Assembly table 2-colour Ø 60 mm Item No. 09 01 53

- Thrust collar 2-colour Ø 90 mm Item No. 09 01 39
- 2 ink/doctoring cups Ø 90 mm, plastics Item No. 09 00 31
- Gripping tongs 2-colour Ø 90 mm Item No. 09 01 45
- Assembly table 2-colour Ø 90 mm Item No. 09 01 54

Overview 1-colour standard ink/doctoring cups

| Ink/ doctoring cup | Steel | Steel with bellows | Steel with plastic piston + sealing rings | Aluminium with carbide doctoring ring | Alumini- um with ceramic doctoring ring | ClipLock® Aluminium mit Deckel | Plastic with carbide doctoring ring | Plastic with ceramic doctoring ring | ClipLock® Aluminium with lid | Thrust collars 1-colour | Gripping tongs Grippers for lid ³⁾ | Assembly tables | |
|--|-----------------------|-----------------------------|---|--|---|--------------------------------------|--|--|------------------------------------|-------------------------------|--|------------------------------------|----------|
| Ø mm | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | Item No. | |
| E N C O D E R | Ø 30 | 09 00 01 | – | – | – | – | – | – | – | – | – | – | |
| | Ø 40 | 09 00 02 | 09 00 04 (Pneumatic supply at the top) | – | – | – | – | – | – | – | 09 00 81 | 09 00 71 | 09 00 61 |
| | | 09 00 13 Height 39 mm | 09 00 06 (Pneumatic supply on the side) | – | – | – | – | – | – | – | – | – | – |
| | Ø 60 | 09 00 03 | 09 00 05 (Pneumatic supply at the top) | 09 00 17 | – | – | – | – | – | – | 09 00 82 | 09 00 72 | 09 00 62 |
| | | | 09 00 07 (Pneumatic supply on the side) | | – | – | – | – | – | – | – | – | – |
| | Ø 60 | – | – | – | 09 00 20 09 00 52 ²⁾ | 09 02 32 ²⁾ | – | 09 00 29 ²⁾ | 09 00 32 ²⁾ | 09 00 33 ²⁾ | 09 00 89 | 09 00 72 | 09 00 62 |
| | Ø 60 SR ¹⁾ | – | – | – | – | – | – | 09 00 40 ²⁾ | – | – | 09 00 87 | 09 00 72 | 09 00 62 |
| | Ø 90 | – | – | – | 09 00 30 09 00 53 ²⁾ | 09 02 33 ²⁾ | – | 09 00 31 ²⁾ | – | 09 01 34 ²⁾ | 09 00 84 | 09 00 73 09 01 67 ³⁾ | 09 00 62 |
| | Ø 90 SR ¹⁾ | – | – | – | – | – | – | 09 00 41 ²⁾ | – | – | 09 00 79 | 09 00 73 | 09 00 63 |
| | Ø 130 | – | – | – | 09 00 50 09 00 51 ²⁾ | – | 09 00 38 ²⁾ | – | – | – | 09 00 85 | 09 00 74 09 00 68 ³⁾ | 09 00 64 |
| Ø 140 | – | – | – | 09 00 54 ²⁾ | 09 02 44 ²⁾ | 09 00 39 ²⁾ | – | – | – | 09 00 77 | 09 00 70 | 09 00 66 | |
| Ø 150 | – | – | – | 09 00 55 ²⁾ | – | – | – | – | – | 09 00 78 | 09 00 76 | 09 00 65 | |
| Ø 210 | – | – | – | 09 00 57 ²⁾ | – | – | – | – | – | 09 01 26 | 09 00 69 | 09 00 67 | |
| Ø 210 SR ¹⁾ | – | – | – | 09 00 49 ²⁾ | – | – | – | – | – | 09 01 26 | 09 00 69 | 09 00 67 | |

SR¹⁾ = Doctoring lip mirrored, therefore print image diameter increased by approx. 3 mm (Doctoring lip chamfered from inside outwards for increased printing area)

²⁾ = 30° – chamfered thrust collar contact surface

³⁾ = for ClipLock®

Please note when placing a repeat order: The article number of your ink/doctoring cup is marked on the top side of the ink/doctoring cup.



TAMPOPRINT® GmbH

Lingwiesenstraße 1
70825 Korntal-Münchingen, GERMANY
☎ +49 7150 928-0
Fax: +49 7150 928-400
E-Mail: info@tampoprint.de
http: www.tampoprint.de

TAMPOPRINT® INTERNATIONAL CORP.

1400 26th Street, Vero Beach, FL 32960, USA
☎ +1 772 778-8896, 800 810-8896
Fax: +1 772 778-8289
E-Mail: info@tampoprint.com
http: www.tampoprint.com

TAMPOPRINT® IBERIA S.A.U.

Poligono Industrial Martorelles,
C/ Sant Martí, s/n (entre Gorgs y Mogent)
08107 Martorelles (Barcelona), SPAIN
☎ +34 93 2327161
Fax: +34 93 2471500
E-Mail: tampoprint@tampoprint.es
http: www.tampoprint.es



The reproduction of trademarks and brands used in this brochure, even if not explicitly expressed, does not justify the assumption that such names or symbols may be considered as free as defined by the Trademark Act and may therefore freely be used. The rights are the property of the respective owner.

TAMPOPRINT products are permanently updated to keep pace with the latest technological developments. For this reason, figures and descriptions are non-binding. Manufactured according to EC Directive 98/37/EC.

Subject to alterations! ©Copyright