

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 Ø 90–210 mm

Thrust collar adapter for "hermetic" pad printing machines Ø 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

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

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.

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).

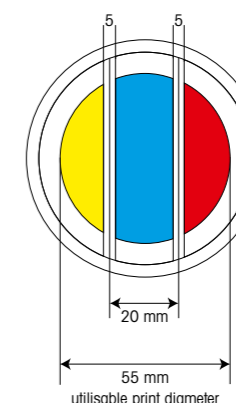


Description:

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	Item No. 09 00 86
Ink/doctoring cup 3-colour Ø 60 mm, steel	Item No. 09 00 22
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)

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:

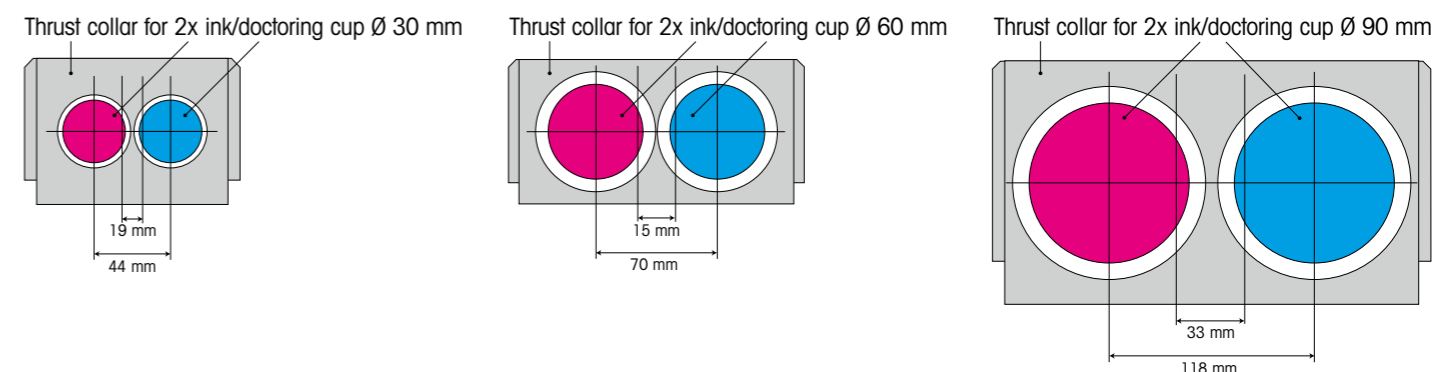
- Thrust collar adapter Ø 90 mm Item No. 09 01 37
- Ink/doctoring cup Ø 60 mm, plastics Item No. 09 00 29
- Gripping tongs Ø 90 mm Item No. 09 00 73 (included in delivery of standard machine)
- Assembly table Ø 90 mm Item No. 09 00 63 (included in delivery of standard machine)

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.



■ **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 sup- ply at the top)	–	–	–	–	–	–	–	09 00 81	09 00 71	09 00 61
		09 00 13 Height 39 mm	09 00 06 (Pneumatic sup- ply on the side)	–	–	–	–	–	–	–	–	–	–
	Ø 60	09 00 03	09 00 05 (Pneumatic sup- ply at the top)	09 00 17	–	–	–	–	–	–	09 00 82	09 00 72	09 00 62
			09 00 07 (Pneumatic sup- ply 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.



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ORIGINAL

TAMPOPRINT®

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