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
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)

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

<table>
<thead>
<tr>
<th>Material</th>
<th>Machine series</th>
<th>Ø Ink/doctoring cup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastics</td>
<td>all standard machine series (ENCODER with additional thrust collar)</td>
<td>60, 90 mm</td>
</tr>
<tr>
<td>Steel</td>
<td>ENCODER</td>
<td>30, 40, 60 mm</td>
</tr>
<tr>
<td>Aluminium</td>
<td>all standard machine series</td>
<td>60–210 mm</td>
</tr>
</tbody>
</table>

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

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

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

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.

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:
- 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

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
- 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

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

<table>
<thead>
<tr>
<th>Material</th>
<th>Machine series</th>
<th>Ø Ink/doctoring cup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastics</td>
<td>Series CONCENTRA, HERMETIC 6-12, RAPID, SEALED INK CUP E, TSQ, TSM, V-DUO</td>
<td>60, 90 mm</td>
</tr>
<tr>
<td>Aluminium</td>
<td>all standard machine series</td>
<td>130, 140 mm</td>
</tr>
</tbody>
</table>

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

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.
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:
  (* When using these cliché types the lifetime of the clichés may be limited)

- Print image sizes:
  - Ink/doctoring cup Ø 60 mm: print image max. Ø 55 mm
  - Ink/doctoring cup Ø 90 mm: print image max. Ø 85 mm
  - Non-printing area around the centre bar approx. 5 mm

**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:
  (* 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:**

- 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).

**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).

**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.

**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 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.

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.

Accessories required:
- Thrust collar adapter Ø 90 mm
- Ink/doctoring cup Ø 60 mm, plastics
- Gripping tongs Ø 90 mm
- Assembly table Ø 90 mm

Non-printing area:

<table>
<thead>
<tr>
<th>Machine type with the following ink/doctoring cup size</th>
<th>Thrust collar for the following ink/doctoring cups</th>
<th>Non-printing area between the two ink/doctoring cups</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 90 x 215 mm 2 x Ø 30 mm 19 mm</td>
<td>Item No. 09 01 37</td>
<td>Item No. 09 00 29</td>
</tr>
<tr>
<td>Ø 130 x 300 mm 2 x Ø 60 mm 15 mm</td>
<td>Item No. 09 00 31</td>
<td>Item No. 09 00 73 (included in delivery of standard machine)</td>
</tr>
<tr>
<td>TSQ Ø 90 x 100 mm 2 x Ø 30 mm 19 mm</td>
<td>Item No. 09 01 35</td>
<td>Item No. 09 01 43</td>
</tr>
<tr>
<td>TSQ Ø 130 x 150 mm 2 x Ø 60 mm 15 mm</td>
<td>Item No. 09 01 36</td>
<td>Item No. 09 01 44</td>
</tr>
<tr>
<td>TSQ Ø 210 x 300 mm 2 x Ø 90 mm 33 mm</td>
<td>Item No. 09 01 38</td>
<td>Item No. 09 01 45</td>
</tr>
<tr>
<td>TSM 60/90 universal transverse doctor kit 100 x 215 mm 2 x Ø 30 mm 19 mm</td>
<td>Item No. 09 01 39</td>
<td>Item No. 09 01 46</td>
</tr>
<tr>
<td>TSM 130 universal transverse doctor kit 150 x 300 mm 2 x Ø 60 mm 15 mm</td>
<td>Item No. 09 01 40</td>
<td>Item No. 01 47</td>
</tr>
<tr>
<td>TSM 60/90 universal multiple colour kit Solo 100 x 215 mm 2 x Ø 30 mm 19 mm</td>
<td>Item No. 09 01 41</td>
<td>Item No. 09 01 48</td>
</tr>
</tbody>
</table>

Thrust collar 2-colour for “hermetic” pad printing machines Ø 90, 130, 210 mm

Accessories – Ink/doctoring cups
### Overview 1-colour standard ink/doctoring cups

<table>
<thead>
<tr>
<th>Ink/doctoring cup</th>
<th>Steel with bellows</th>
<th>Steel with plastic piston + sealing rings</th>
<th>Aluminium with carbide doctoring ring</th>
<th>Aluminium with ceramic doctoring ring</th>
<th>ClipLock® Aluminium w/ Deckel</th>
<th>Plastic with carbide doctoring ring</th>
<th>Plastic with ceramic doctoring ring</th>
<th>ClipLock® Aluminium w/ lid</th>
<th>Thrust collars</th>
<th>Gripping</th>
<th>Assembly tables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 30</td>
<td>09 00 01</td>
<td>09 00 04</td>
<td>09 00 32(2)</td>
<td>09 00 32(2)</td>
<td>09 00 32(2)</td>
<td>09 00 32(2)</td>
<td>09 00 32(2)</td>
<td>09 00 89</td>
<td>09 00 72</td>
<td>09 00 61</td>
<td>09 00 62</td>
</tr>
<tr>
<td>Ø 40</td>
<td>09 00 02</td>
<td>09 00 06</td>
<td>09 00 07(2)</td>
<td>09 00 17(2)</td>
<td>09 00 81</td>
<td>09 00 71</td>
<td>09 00 61</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ø 60</td>
<td>09 00 03</td>
<td>09 00 05</td>
<td>09 00 17(2)</td>
<td>09 00 82</td>
<td>09 00 72</td>
<td>09 00 62</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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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