

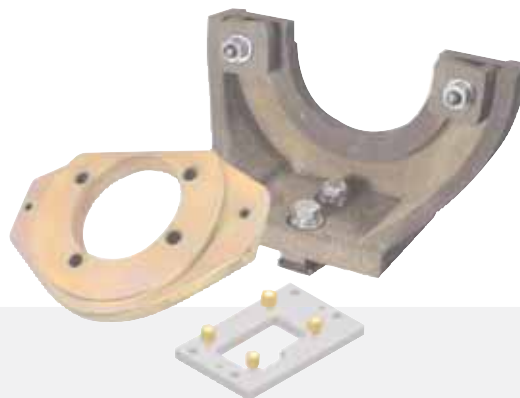
# 110



## Pump clamping on test bench

---

Basic equipment





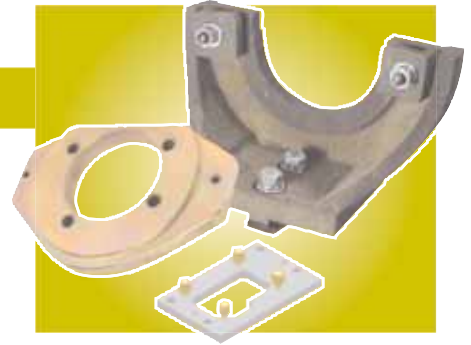
## Pump clamping on test bench

Basic equipment

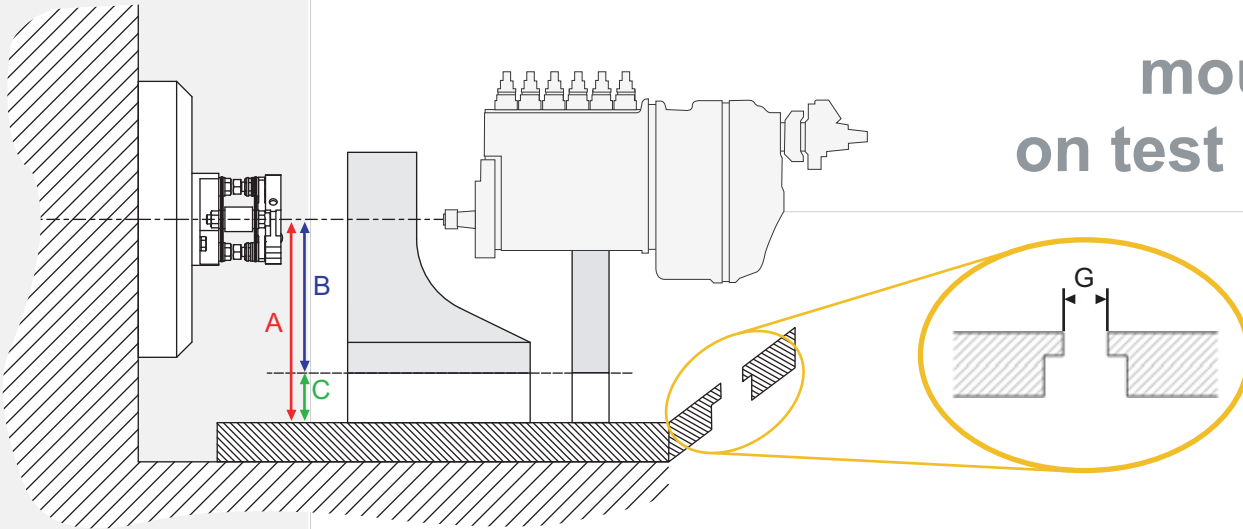
### 110

#### PUMP CLAMPING ON TEST BENCH

|                        |        |
|------------------------|--------|
| Pump brackets          | 3 - 4  |
| Flanged pump clamping  | 5 - 6  |
| Immersed pump clamping | 7 - 14 |



# Pump mounting on test bench



| G                                                                                                                                                                                                                                                                                                                                      |                                                                                     | 20                                                                                                                        |                                                                                                                |                                                                                                                 |                                                                                                                   | 22                                                                                                            | 16             | 20            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|---------------|
| <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: red; margin-right: 5px;"></div> <div style="width: 10px; height: 10px; background-color: blue; margin-right: 5px;"></div> <div style="width: 10px; height: 10px; background-color: green; margin-right: 5px;"></div> </div> | A                                                                                   | 125                                                                                                                       | 146,5                                                                                                          | 170                                                                                                             | 180,5                                                                                                             | 200                                                                                                           | 130            | 110           |
|                                                                                                                                                                                                                                                                                                                                        | B                                                                                   | 125                                                                                                                       |                                                                                                                |                                                                                                                 |                                                                                                                   |                                                                                                               | 130            | 110           |
|                                                                                                                                                                                                                                                                                                                                        | C                                                                                   | 0                                                                                                                         | 21,5                                                                                                           | 45                                                                                                              | 55,5                                                                                                              | 75                                                                                                            | 0              | 0             |
|                                                                                                                                                                                                                                                                                                                                        | optional spacer                                                                     | -                                                                                                                         | HARTRIDGE<br><br><b>9644</b> | ODOLINI<br><br><b>9644-A</b> | GUZZELLONI<br><br><b>9425-A</b> | MAGASA<br><br><b>9074</b> | -              | -             |
| 1                                                                                                                                                                                                                                                                                                                                      |  | <b>9680-A</b><br>BH 1 688 101 101<br>BH 1 688 010 124<br>ISO normative bench cradle - axle 125 - slide 20                 |                                                                                                                |                                                                                                                 |                                                                                                                   |                                                                                                               | <b>9679-A</b>  | <b>9680-D</b> |
| 2                                                                                                                                                                                                                                                                                                                                      |  | <b>9422-B</b><br>Bracket for PE..H pumps flanged                                                                          |                                                                                                                |                                                                                                                 |                                                                                                                   |                                                                                                               | <b>9422-BR</b> | -             |
| 3                                                                                                                                                                                                                                                                                                                                      |  | <b>9590</b><br>BH 1 688 030 030/33<br>BH 1 685 720 160<br>PES...P pumps bracket couple for BOSCH test bench- flange Ø 95  |                                                                                                                |                                                                                                                 |                                                                                                                   |                                                                                                               | -              | -             |
| 4                                                                                                                                                                                                                                                                                                                                      |  | <b>9141</b><br>BH 1 688 030 030/33<br>BH 1 685 720 159<br>PES...P pumps bracket couple for BOSCH test bench- flange Ø 107 |                                                                                                                |                                                                                                                 |                                                                                                                   |                                                                                                               | -              | -             |
| 5                                                                                                                                                                                                                                                                                                                                      |  | <b>9085</b><br>BH 1 688 120 022<br>Bed to fix B pumps on test bench                                                       |                                                                                                                |                                                                                                                 |                                                                                                                   |                                                                                                               | -              | -             |

| G           |                                                                                     | 20                                                                                           |                                                                                                  |                                                                                                    |                                                                                                    | 22                                                                                                 | 16  | 20  |
|-------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----|-----|
| A<br>B<br>C | A                                                                                   | 125                                                                                          | 146,5                                                                                            | 170                                                                                                | 180,5                                                                                              | 200                                                                                                | 130 | 110 |
|             | B                                                                                   | 125                                                                                          |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | 130 | 110 |
|             | C                                                                                   | 0                                                                                            | 21,5<br>HARTRIDGE                                                                                | 45<br>ODOLINI                                                                                      | 55,5<br>GUZZELLONI                                                                                 | 75<br>MAGASA                                                                                       | 0   | 0   |
|             | optional spacer                                                                     | -                                                                                            | <br><b>9644</b> | <br><b>9644-A</b> | <br><b>9425-A</b> | <br><b>9074</b> | -   | -   |
| 6           |    | <b>9422</b><br><i>BH 1 688 030 141</i><br><i>BH 1 688 030 032</i><br><br><i>PE..P pumps</i>  |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | -   | -   |
| 7           |    | <b>9422-A</b><br><i>BH 1 688 030 170</i><br><br><i>P8500, PE..H, PE..R pumps (VOLVO F16)</i> |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | -   | -   |
| 8           |   | <b>8124</b><br><i>BH 1 688 030 186</i><br><br><i>VP44 pumps (AUDI)</i>                       |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | -   | -   |
| 9           |  | <b>9423</b><br><i>BH 1 688 030 153</i><br><i>BH 1 688 030 095</i><br><br><i>P7800 pumps</i>  |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | -   | -   |
| 10          |  | <b>9081</b><br><i>BH 1 688 030 044</i><br><br><i>A pumps</i>                                 |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | -   | -   |
| 11          |  | <b>9084</b><br><i>BH 1 688 030 012</i><br><br><i>B pumps</i>                                 |                                                                                                  |                                                                                                    |                                                                                                    |                                                                                                    | -   | -   |

# Pump clamping flanges



**9680-A**

*BH 1 688 010 124*

Cradle bracket  
on test bench



**9601**

*BH 0 986 611 358*

*KDEP2963*

Swivel vice cradle on **9260**



**9356-A**

Swivel vice on **8132**



Test bench flange for PES...A pumps  
(on FIAT)

**9478-B**

*BH 1 685 720 017*



Test bench flange for PES...P-PV pumps  
with Ø 95 hole

**9478-C**

*BH 1 685 720 060*



Test bench flange for PES...P pumps  
(IVECO 190.26)  
with Ø 107 hole

**9479-D**

*BH 1 685 720 159*

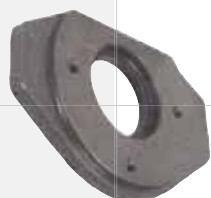


Test bench flange for PES... MW pumps  
(MERCEDES, VOLVO etc.)  
with Ø 68 hole

**9478-A**

*BH 1 685 720 018*

*BH 1 685 720 017*



Test bench flange for EP/VA.. VE.. CAV pumps  
with Ø 50 hole

**9478**

*BH 1 685 720 062*



Test bench flange for CAV-DPS pumps  
with Ø 68 hole  
FORD TRANSIT

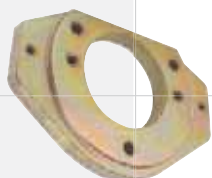
**9478-E**

*BH 1 685 720 219*



Test bench flange for VP44-VR30 pumps

**8123**



Test bench flange for VP44 pumps

**9478-T**



Test bench flange for CATERPILLAR pumps SLIV series  
with Ø 68 hole

**9478-F**



Test bench flange for pumps mounted on  
RENAULT MEGANE

**9478-M**



Test bench flange for  
BOSCH PES...RSF...M pumps  
on BOSCH test bench  
MERCEDES 190 D

**9746**

*BH 1 685 720 208*



Flange for fixing ZEXEL VP pumps on test benches.  
It requires the universa bracket 9680-A

**8123-A**



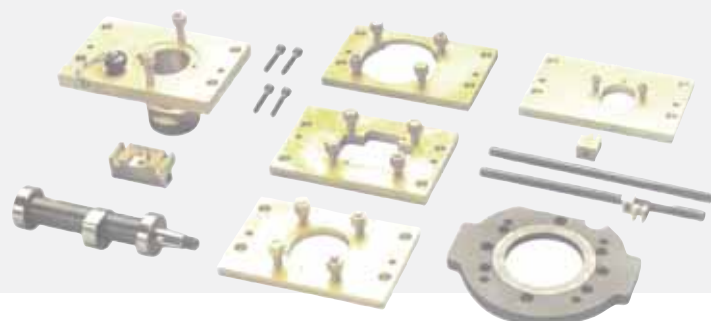
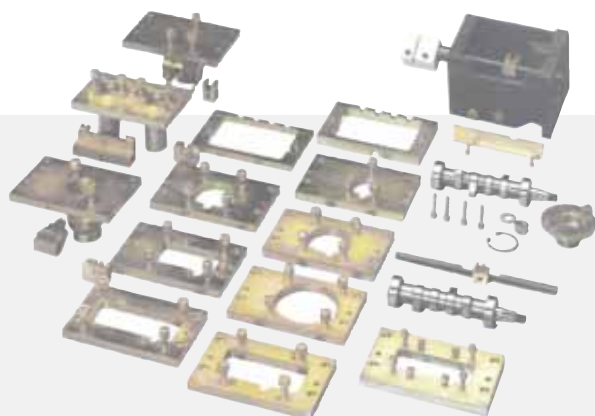
Flange for Test bench for Common Rail pumps  
with 50mm hole, 13 holes.

**9478-CR**

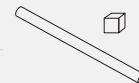


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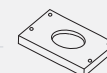
## Clamping system for immersed pumps



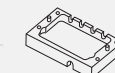
ROD AND ROD GUIDE



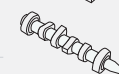
PLATE



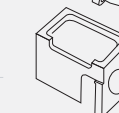
SPACER



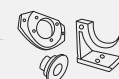
CAMSHAFT



CAMBOX



CLAMPING AND COUPLING



Tools for the following application

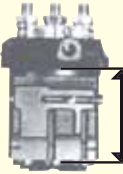
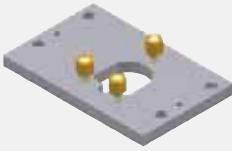
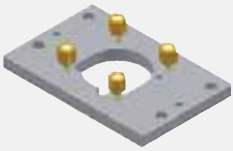
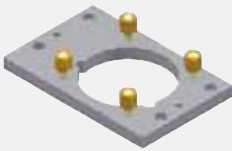
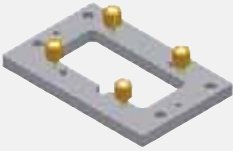
| PUMPS               | K I T C O N F I G U R A T I O N     |                                    |                                       |                                        |
|---------------------|-------------------------------------|------------------------------------|---------------------------------------|----------------------------------------|
|                     | <b>9562-ZX</b><br>(in 1 wooden box) | <b>9562-W</b><br>(in 1 wooden box) | <b>9562-KW</b><br>(in 2 wooden boxes) | <b>9562-KWY</b><br>(in 3 wooden boxes) |
| BOSCH PFR1K         | ○                                   | ●                                  | ●                                     | ●                                      |
| BOSCH PFR2K         | ○                                   | ●                                  | ●                                     | ●                                      |
| BOSCH PFR3K         | ○                                   | ●                                  | ●                                     | ●                                      |
| BOSCH PFR4K         | ○                                   | ●                                  | ●                                     | ●                                      |
| BOSCH 1 cyl         | ○                                   | ○                                  | ●                                     | ●                                      |
| BOSCH Q             | ○                                   | ○                                  | ●                                     | ●                                      |
| STANADYNE 1 cyl     | ○                                   | ○                                  | ●                                     | ●                                      |
| ZEXEL 1 cyl         | ●                                   | ○                                  | ○                                     | ○                                      |
| ZEXEL 2 cyl         | ●                                   | ○                                  | ●                                     | ●                                      |
| ZEXEL 3 cyl         | ●                                   | ○                                  | ●                                     | ●                                      |
| ZEXEL 4 cyl         | ●                                   | ○                                  | ●                                     | ●                                      |
| MINI 2-3-4 cyl      | ○                                   | ○                                  | ●                                     | ●                                      |
| MINI 1 cyl          | ○                                   | ○                                  | ○                                     | ●                                      |
| YANMAR 2 cyl K type | ○                                   | ○                                  | ○                                     | ●                                      |
| YANMAR 3 cyl K type | ○                                   | ○                                  | ○                                     | ●                                      |
| YANMAR 3 cyl K type | ○                                   | ○                                  | ○                                     | ●                                      |
| BOSCH PFM1P         | ○                                   | ○                                  | ○                                     | ●                                      |
| BOSCH PFM1P 100     | ○                                   | ○                                  | ○                                     | ○                                      |
| BOSCH PDM1Q60F      | ○                                   | ○                                  | ○                                     | ○                                      |
| ZEXEL PFR3MD        | ○                                   | ○                                  | ○                                     | ○                                      |
| ZEXEL PFR4MD        | ○                                   | ○                                  | ○                                     | ○                                      |
| ZEXEL PFR3KD        | ○                                   | ○                                  | ○                                     | ○                                      |
| ZEXEL PFR4KD        | ○                                   | ○                                  | ○                                     | ○                                      |

For the part numbers and the specific application, see the following table



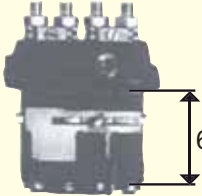
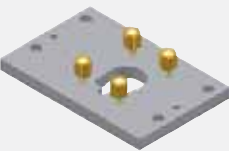
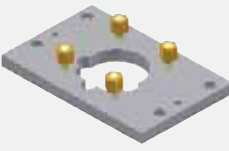
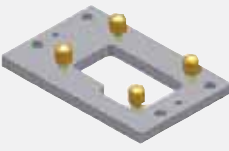
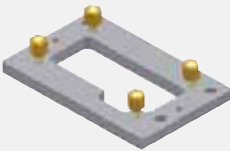
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## Bosch PFRK

|                       |                                                                                                                  |                                                                                                                  |                                                                                                                   |                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| PUMP                  | <br>75mm<br>BOSCH PFR1K         | <br>75mm<br>BOSCH PFR2K         | <br>75mm<br>BOSCH PFR3K         | <br>75mm<br>BOSCH PFR4K         |
| APPLICATION           | -                                                                                                                | -                                                                                                                | -                                                                                                                 | -                                                                                                                  |
| ROD GUIDE             | <br>9562-G                      | <br>9562-G                      | <br>9562-G                     | <br>9562-G                      |
| ROD                   | <br>9562-F                      | <br>9562-F                      | <br>9562-F                      | <br>9562-F                      |
| PLATE                 | <br>9562-A                     | <br>9562-C                     | <br>9562-D                     | <br>9562-E                     |
| SPACER                | <br>9562-M4 <small>15</small> | <br>9562-M4 <small>15</small> | <br>9562-M4 <small>15</small> | <br>9562-M4 <small>15</small> |
| CAMSHAFT              | <br>9564-A <small>7</small>   | <br>9564-A <small>7</small>   | <br>9564-A <small>7</small>   | <br>9564-A <small>7</small>   |
| CAMBOX                | <br>9562-M1                   | <br>9562-M1                   | <br>9562-M1                   | <br>9562-M1                   |
| CLAMPING AND COUPLING | <br>9576<br>9478-BXS 9680-A   | <br>9576<br>9478-BXS 9680-A   | <br>9576<br>9478-BXS 9680-A   | <br>9576<br>9478-BXS 9680-A   |

# Clamping system for immersed pumps

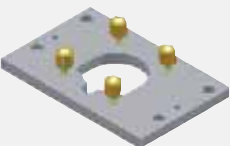
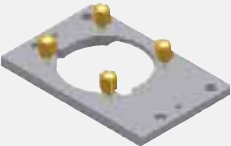
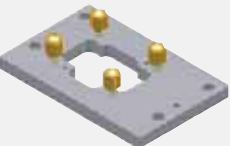
Zexel PFRK

| PUMP                  | <br>75mm<br>ZEXEL 1 cyl. - 4 holes          | <br>68mm<br>ZEXEL 2 cyl.                    | <br>68mm<br>ZEXEL 3 cyl.                    | <br>68mm<br>ZEXEL 4 cyl.                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| APPLICATION           | SAME (*)                                                                                                                     | KUBOTA                                                                                                                       | mitsubishi                                                                                                                    | mitsubishi                                                                                                                     |
| ROD GUIDE             | <br><b>9562-G</b>                           | <br><b>9562-R</b>                           | <br><b>9562-LB</b>                         | <br><b>9562-G</b>                           |
| ROD                   | <br><b>9562-F</b>                           | <br><b>9562-F</b>                           | <br><b>9562-L</b>                           | <br><b>9562-F</b>                           |
| PLATE                 | <br><b>9562-T</b>                          | <br><b>9891</b>                            | <br><b>9892</b>                            | <br><b>9893</b>                            |
| SPACER                | <br><b>9562-M4</b> 15                     | <br><b>9562-M5</b> 10                     | <br><b>9562-M5</b> 10                     | <br><b>9562-M5</b> 10                     |
| CAMSHAFT              | <br><b>9564-A</b> 7                       | <br><b>9564-A</b> 7                       | <br><b>9564-A</b> 7                       | <br><b>9564-A</b> 7                       |
| CAMBOX                | <br><b>9562-M1</b>                        | <br><b>9562-M1</b>                        | <br><b>9562-M1</b>                        | <br><b>9562-M1</b>                        |
| CLAMPING AND COUPLING | <br><b>9576</b><br><b>9478-BXS 9680-A</b> | <br><b>9576</b><br><b>9478-BXS 9680-A</b> | <br><b>9576</b><br><b>9478-BXS 9680-A</b> | <br><b>9576</b><br><b>9478-BXS 9680-A</b> |



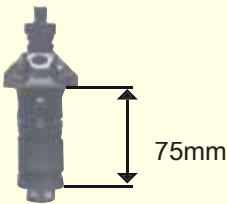
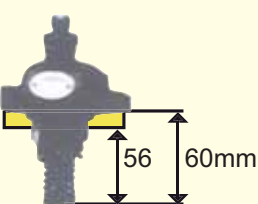
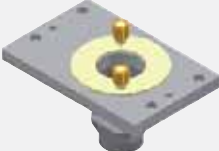
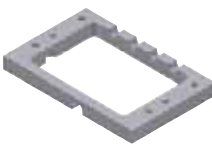
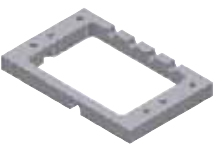
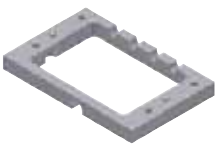
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**Yanmar**

|                       |                                                                                                                              |                                                                                                                              |                                                                                                                               |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|
| PUMP                  |                                             |                                                                                                                              |                                            |  |
|                       | YANMAR 2 cyl. K type                                                                                                         | YANMAR 3 cyl. K type 0703-3                                                                                                  | YANMAR 3 cyl. K type 0703-M3                                                                                                  |  |
| APPLICATION           | John Deere JD650                                                                                                             | John Deere JD750                                                                                                             | John Deere JD650                                                                                                              |  |
| ROD GUIDE             | -                                                                                                                            | -                                                                                                                            | -                                                                                                                             |  |
| ROD                   |                                                                                                                              |                                                                                                                              |                                                                                                                               |  |
| PLATE                 | <br><b>TD9004</b>                          | <br><b>TD9001</b>                          | <br><b>TD9003</b>                          |  |
| SPACER                | <br><b>9562-M5</b> <small>10</small>      | <br><b>9562-M5</b> <small>10</small>      | -                                                                                                                             |  |
| CAMSHAFT              | <br><b>9564-A</b> <small>7</small>        | <br><b>9564-A</b> <small>7</small>        | <br><b>9564-A</b> <small>7</small>        |  |
| CAMBOX                | <br><b>9562-M1</b>                        | <br><b>9562-M1</b>                        | <br><b>9562-M1</b>                        |  |
| CLAMPING AND COUPLING | <br><b>9576</b><br><b>9478-BXS 9680-A</b> | <br><b>9576</b><br><b>9478-BXS 9680-A</b> | <br><b>9576</b><br><b>9478-BXS 9680-A</b> |  |

# Clamping system for immersed pumps

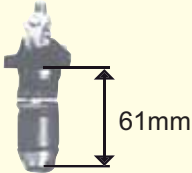
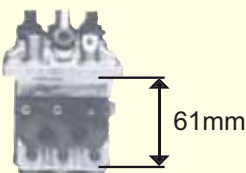
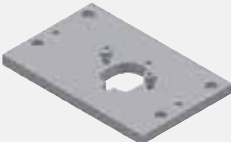
Bosch - Stanadyne

|                       |                                                                                                                                          |                                                                                                                |                                                                                                                 |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| PUMP                  | <br>BOSCH 1 cyl.<br>With ref. pin for start of delivery | <br>BOSCH Q                   | <br>STANADYNE 1 cyl          |  |
| APPLICATION           | -                                                                                                                                        | -                                                                                                              | -                                                                                                               |  |
| ROD GUIDE             | Included in 9562-B                                                                                                                       | Included in 9563                                                                                               | Included in 9562-M3                                                                                             |  |
| ROD                   | <br>9562-F                                              | <br>9562-F                    | <br>9562-F                    |  |
| PLATE                 | <br>9562-B                                             | <br>9563                     | <br>9562-M3                  |  |
| SPACER                | <br>9562-M4                                           | <br>9562-M4                 | <br>9562-M4                 |  |
| CAMSHAFT              | <br>9564-A                                            | <br>9564-A                  | <br>9564-A                  |  |
| CAMBOX                | <br>9562-M1                                           | <br>9562-M1                 | <br>9562-M1                 |  |
| CLAMPING AND COUPLING | <br>9576<br>9478-BXS 9680-A                           | <br>9576<br>9478-BXS 9680-A | <br>9576<br>9478-BXS 9680-A |  |



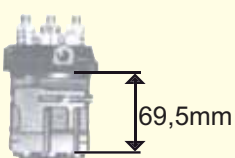
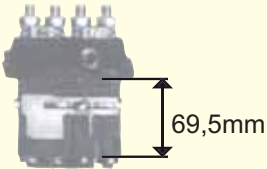
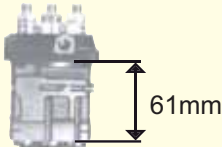
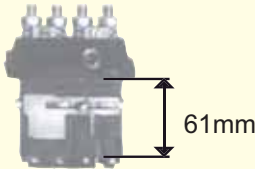
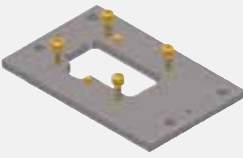
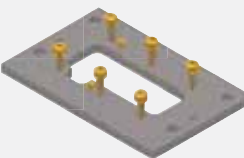
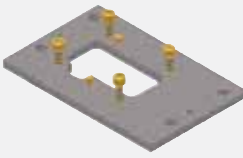
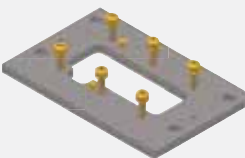
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PROFESSIONAL DIESEL SERVICE TOOLS

## NIPPONDENSO Mini

|                       |                                                                                                                       |                                                                                                                       |  |  |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|
| PUMP                  | <br>MINI 1 cyl.                      | <br>MINI 2-3-4 cyl.                  |  |  |
| APPLICATION           | -                                                                                                                     | -                                                                                                                     |  |  |
| ROD GUIDE             | <b>9562-I</b>                        | <b>9562-I</b>                        |  |  |
| ROD                   | <b>9562-F</b>                        | <b>9562-H</b>                        |  |  |
| PLATE                 | <br><b>9562-N</b>                   | <br><b>9562-M2</b>                  |  |  |
| SPACER                | -                                                                                                                     | -                                                                                                                     |  |  |
| CAMSHAFT              | <br><b>9564-B</b> <small>6</small> | <br><b>9564-B</b> <small>6</small> |  |  |
| CAMBOX                | <br><b>9562-M1</b>                 | <br><b>9562-M1</b>                 |  |  |
| CLAMPING AND COUPLING | <br><b>9478-BXS</b> <b>9680-A</b>  | <br><b>9478-BXS</b> <b>9680-A</b>  |  |  |

# Clamping system for immersed pumps

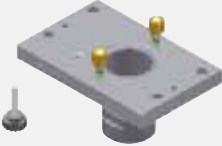
## Zexel PFR...KD / PFR...MD

| PUMP                  |  69,5mm<br>ZEXEL PFR3KD    |  69,5mm<br>ZEXEL PFR4KD    |  61mm<br>ZEXEL PFR3MD      |  61mm<br>ZEXEL PFR4MD      |
|-----------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| APPLICATION           | -                                                                                                           | -                                                                                                           | -                                                                                                            | -                                                                                                             |
| ROD GUIDE             |                            |                            |                           |                            |
| ROD                   |  9562-F                    |  9562-F                    |  9562-F                    |  9562-F                    |
| PLATE                 |  9562-MD3                 |  9562-MD4                 |  9562-MD3                 |  9562-MD4                 |
| SPACER                |  9562-M5 10              |  9562-M5 10              | -                                                                                                            | -                                                                                                             |
| CAMSHAFT              |  9564-A 7                |  9564-A 7                |  9564-E 6                |  9564-E 6                |
| CAMBOX                |  9562-M1                 |  9562-M1                 |  9562-M1                 |  9562-M1                 |
| CLAMPING AND COUPLING |  9576<br>9478-BXS 9680-A |  9576<br>9478-BXS 9680-A |  9576<br>9478-BXS 9680-A |  9576<br>9478-BXS 9680-A |



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**Bosch P**

|                       |                                                                                                                                                                                                                            |                                                                                                                                                                                                                            |                                                                                                                                                                                                                               |  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| PUMP                  |                                                                                                                                           |                                                                                                                                           |                                                                                                                                            |  |
|                       | BOSCH PFM 1P 90V                                                                                                                                                                                                           | BOSCH PFM 1P 100                                                                                                                                                                                                           | BOSCH PDM1Q60F                                                                                                                                                                                                                |  |
| APPLICATION           | DEUTZ - SAME (****)                                                                                                                                                                                                        | DEUTZ - SAME                                                                                                                                                                                                               | FOCS. (**)                                                                                                                                                                                                                    |  |
| ROD GUIDE             | <b>9562-FP</b>                                                                                                                            | Included in 9562-S                                                                                                                                                                                                         | Included in 9562-FX                                                                                                                                                                                                           |  |
| ROD                   | <br><b>9562-F</b>                                                                                                                         | <br><b>9562-F</b>                                                                                                                         | <br><b>9562-F</b>                                                                                                                           |  |
| PLATE                 | <br><b>9562-P</b>                                                                                                                        | <br><b>9562-S</b>                                                                                                                        | <br><b>9562-FX</b>                                                                                                                         |  |
| SPACER                | <br><b>9562-M4</b> <small>15</small>                                                                                                    | <br><b>9562-M4</b> <small>15</small>                                                                                                    | <br><b>9562-M4</b> <small>15</small>                                                                                                      |  |
| CAMSHAFT              | <br><b>9564-C</b>                                                                                                                       | <br><b>9564-C</b>                                                                                                                       | <br><b>9564-A</b> <small>7</small>                                                                                                        |  |
| CAMBOX                | <br><b>9562-M1</b>                                                                                                                      | <br><b>9562-M1</b>                                                                                                                      | <br><b>9562-M1</b>                                                                                                                        |  |
| CLAMPING AND COUPLING | <br><b>9576</b><br><br><b>9478-BXS</b> <b>9680-A</b> | <br><b>9576</b><br><br><b>9478-BXS</b> <b>9680-A</b> | <br><b>9576</b><br><br><b>9478-BXS</b> <b>9680-A</b> |  |

(\*\*) For this application special tools 9920-BD, 8080, 8081 and 9701-FX tool box are available.

(\*\*\*\*) During mounting session, first introduce the tappet alone in the proper sliding guide and only after the pump body.

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