# Power Cylinder Series

## How to order:

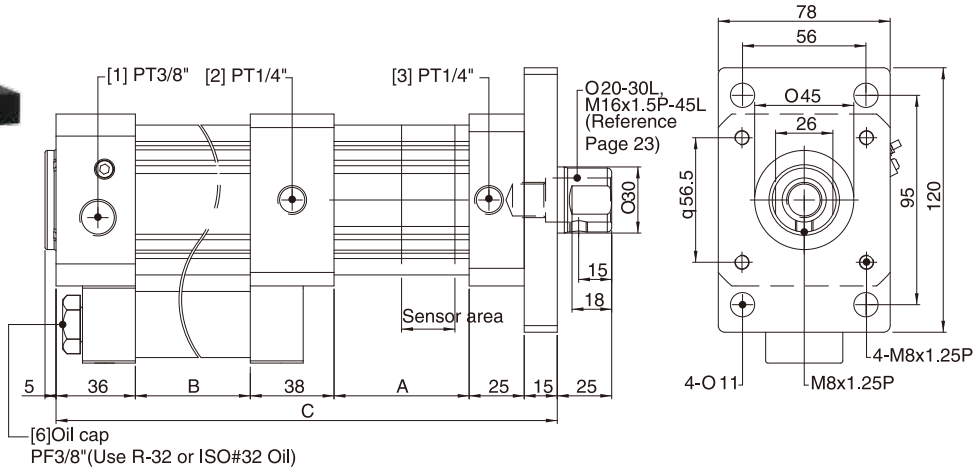
| DPA | 050 | 060 | 075 | DHP | S2 |
|---|---|---|---|---|---|
| Series | Working Force | Total stroke | Working stroke | Accessories | Sensor |
| DPA<br>DPD | 1 Ton - 010<br>2 Ton – 020<br>3 Ton – 030<br>5 Ton – 050<br>7.5Ton – 075<br>10 Ton – 100 | 60mm - - 060<br>120mm - - 120 | 7.5mm - 075<br>15mm - 150 | - DHP<br>Die Holder Pad<br>- DRE<br>Rod End<br><br>Reference page 23<br>Blank is no needed | 1Pcs-S1<br>2Pcs-S2 |

# DPD Series

## Pressure boost model：1Ton



| | |
|---|---|
| Working Stroke(mm) | 7.5、15 |
| Range of pressure (kg/cm² ) | 3~8kg/cm² |
| Range of temperature(°C) | 0~60 |
| Force(kg) Note:Working pressure=5 kg/cm² | 974 |
| Return Stroke Force(kg) | 121 |



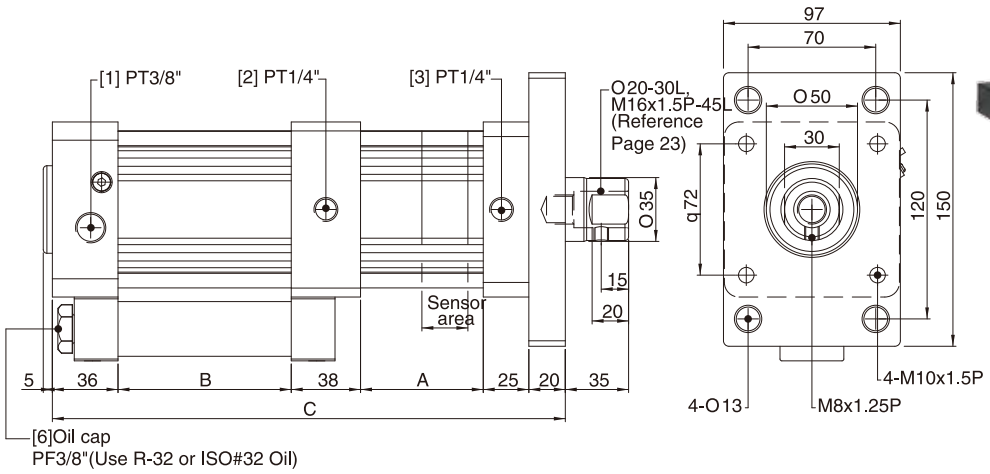

Units:mm

| Code NO | Working Stroke | A | B | C |
|---|---|---|---|---|
| DPD-010-000-075 | 7.5 | 61 | 81 | 256 |
| DPD-010-000-150 | 15 | 76 | 128 | 318 |

# Pressure boost model：2Ton

| | |
|---|---|
| Working Stroke(mm) | 7.5、15 |
| Range of pressure (kg/cm² ) | 3~8kg/cm² |
| Range of temperature(°C) | 0~60 |
| Force(kg) Note:Working pressure=5 kg/cm² | 1901 |
| Return Stroke Force(kg) | 203 |





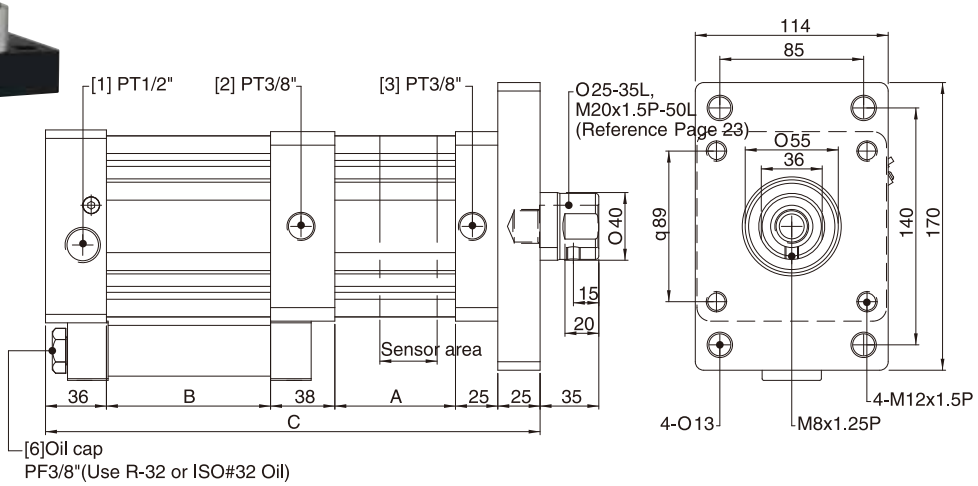

Units:mm

| Code NO | Working Stroke | A | B | C |
|---|---|---|---|---|
| DPD--020--000--075 | 7.5 | 67 | 95 | 281 |
| DPD--020--000--150 | 15 | 82 | 152 | 353 |

# Pressure boost model：3Ton



| | |
|---|---|
| Working Stroke(mm) | 7.5、15 |
| Range of pressure (kg/cm² ) | 3~8kg/cm² |
| Range of temperature(°C) | 0~60 |
| Force(kg) Note:Working pressure=5 kg/cm² | 3079 |
| Return Stroke Force(kg) | 330 |



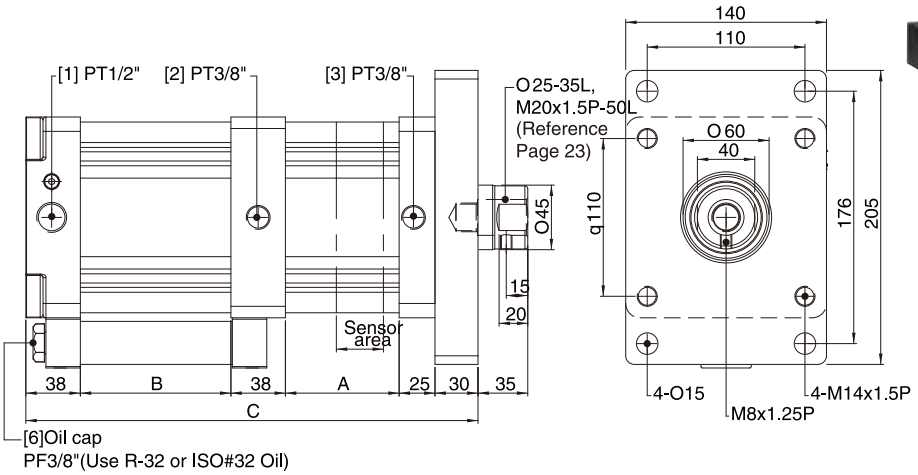

Units:mm

| Code NO | Working Stroke | A | B | C |
|---|---|---|---|---|
| DPD--030--000--075 | 7.5 | 71 | 97 | 292 |
| DPD--030--000--150 | 15 | 86 | 156 | 366 |

# Pressure boost model：5Ton

| | |
|---|---|
| Working Stroke(mm) | 7.5、15 |
| Range of pressure (kg/cm² ) | 3~8kg/cm² |
| Range of temperature(°C) | 0~60 |
| Force(kg) Note:Working pressure=5 kg/cm² | 4926 |
| Return Stroke Force(kg) | 534 |






Units:mm

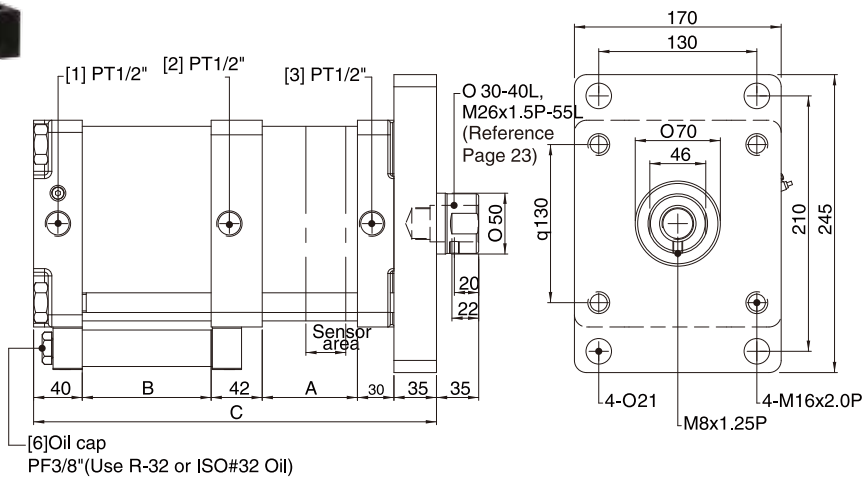
| Code NO | Working Stroke | A | B | C |
|---|---|---|---|---|
| DPD-050-000-075 | 7.5 | 79 | 105 | 315 |
| DPD-050-000-150 | 15 | 94 | 165 | 390 |

# DPD Series

## Pressure boost model：7.5Ton



| | | |
|---|---|---|
| Working Stroke(mm) | | 7.5、15 |
| Range of pressure (kg/cm² ) | | 3~8kg/cm² |
| Range of temperature(°C) | | 0~60 |
| Force(kg) | Note:Working pressure=5 kg/cm² | 7213 |
| Return Stroke Force(kg) | | 785 |



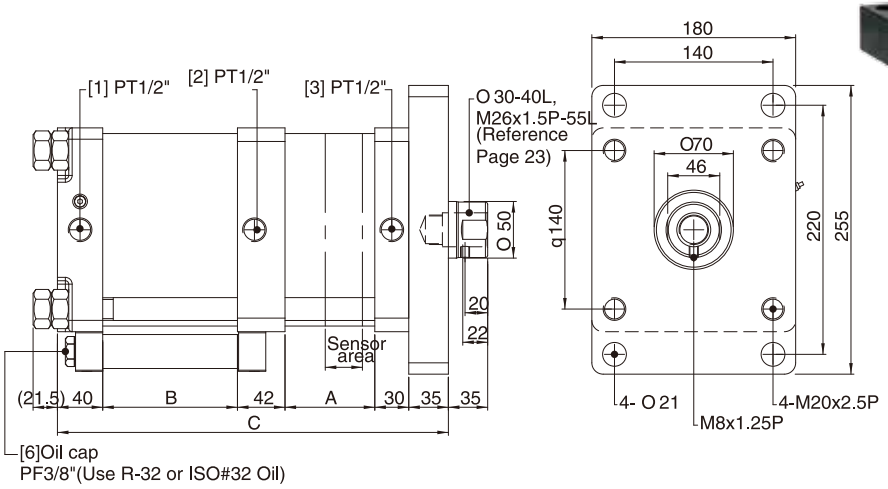

Units:mm

| Code NO | Working Stroke | A | B | C |
|---|---|---|---|---|
| DPD--075--000--075 | 7.5 | 78 | 106 | 331 |
| DPD--075--000--150 | 15 | 93 | 167 | 407 |

# Pressure boost model ： 10Ton

| | |
|---|---|
| Working Stroke(mm) | 7.5、15 |
| Range of pressure (kg/cm² ) | 3~8kg/cm² |
| Range of temperature(°C) | 0~60 |
| Force(kg) Note:Working pressure=5 kg/cm² | 9930 |
| Return Stroke Force(kg) | 907 |






Units:mm

| Code NO | Working Stroke | A | B | C |
|---|---|---|---|---|
| DPD-100-000-075 | 7.5 | 79 | 119 | 345 |
| DPD-100-000-150 | 15 | 94 | 193 | 434 |

# Theoretical force of DPD series

Units :kg

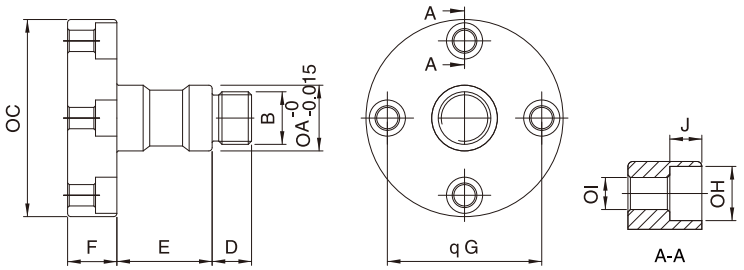
| Code NO. | Operating Pressure(kg/cm²) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| DPD-010 | Approach Stroke Force | 195 | 390 | 584 | 779 | 974 | 1169 | 1364 |
| | Working Stroke Force | 24 | 48 | 72 | 96 | 121 | 145 | 169 |
| DPD-020 | Return Stroke Force | 380 | 760 | 1140 | 1521 | 1901 | 2281 | 2661 |
| | Approach Stroke Force | 41 | 81 | 122 | 163 | 203 | 244 | 285 |
| DPD-030 | Working Stroke Force | 616 | 1232 | 1847 | 2463 | 3079 | 3695 | 4310 |
| | Return Stroke Force | 66 | 132 | 198 | 264 | 330 | 396 | 462 |
| DPD-050 | Approach Stroke Force | 985 | 1970 | 2955 | 3941 | 4926 | 5911 | 6896 |
| | Working Stroke Force | 107 | 214 | 320 | 427 | 534 | 641 | 748 |
| DPD-075 | Return Stroke Force | 1443 | 2885 | 4328 | 5770 | 7213 | 8655 | 10098 |
| | Approach Stroke Force | 157 | 314 | 471 | 628 | 785 | 942 | 1100 |
| DPD-100 | Working Stroke Force | 1986 | 3972 | 5958 | 7944 | 9930 | 11916 | 13902 |
| | Return Stroke Force | 181 | 363 | 544 | 726 | 907 | 1089 | 1270 |

# Accessories

## Accessories For DPA/DPD

## Die Holder Pad



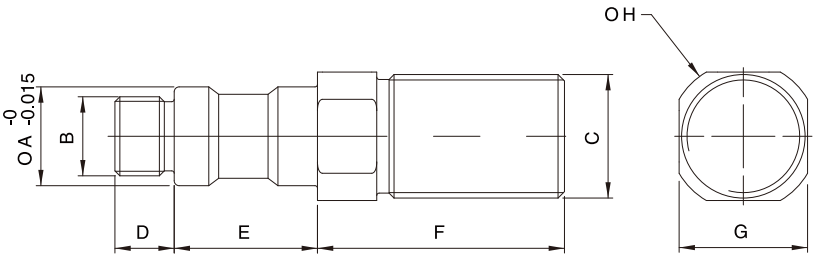



Units:mm

| Code NO. | appropriate | ΦA | B | ΦC | D | E | F | □G | ΦH | ΦI | J |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DHP-000-010-020 | 1T,2T | 20 | M16x1.5 | 60 | 12 | 29 | 15 | 47 | 11 | 6.5 | 6.5 |
| DHP-000-030-050 | 3T,5T | 25 | M20x1.5 | 65 | 12 | 34 | 15 | 52 | 11 | 6.5 | 6.5 |
| DHP-000-075-100 | 7.5T,10T | 30 | M26x1.5 | 85 | 12 | 39 | 18 | 67 | 13 | 8.5 | 8 |

## Rod End






Units:mm

| Code NO. | appropriate | ΦA | B | ΦC | D | E | F | G | ΦH |
|---|---|---|---|---|---|---|---|---|---|
| DRE-000-000-010 | 1T | 20 | M16x1.5 | M25x2.0 | 12 | 29 | 50 | 26 | 30 |
| DRE-000-000-020 | 2T | 20 | M16x1.5 | M30x2.0 | 12 | 29 | 50 | 32 | 35 |
| DRE-000-000-030 | 3T | 25 | M20x1.5 | M30x2.0 | 12 | 34 | 50 | 36 | 40 |
| DRE-000-000-050 | 5T | 25 | M20x1.5 | M40x2.0 | 12 | 34 | 50 | 42 | 45 |
| DRE-000-075-100 | 7.5T,10T | 30 | M26x1.5 | M40x2.0 | 12 | 39 | 60 | 46 | 50 |