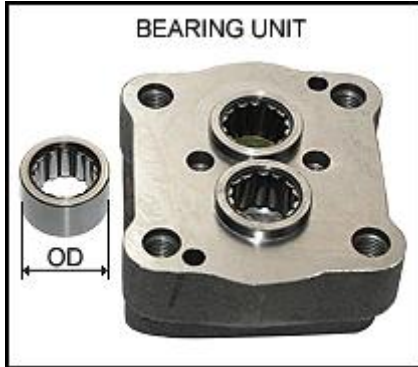


How to Identify hydraulic gear pump

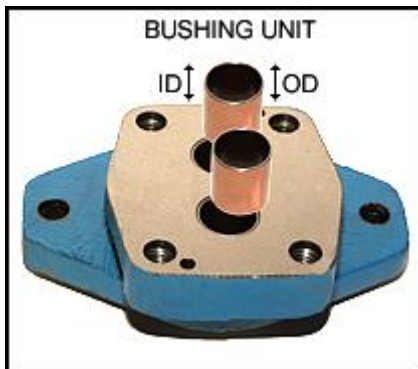
1 - Type of gear support: Bearing or Bushing

Bearing Unit



| Series | P15H | P37X | P25X | P20 | P30-P31 | P50-P51 | P75-P76 |
|------------|------|------|------|------|---------|---------|---------|
| Bearing OD | 1.6 | 2.33 | 1.94 | 1.69 | 1.69 | 1.94 | 2.33 |

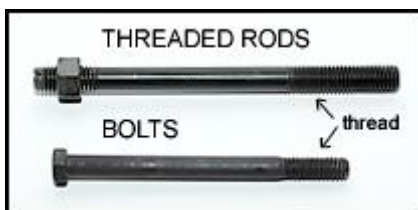
Bushing Unit



| Series | P315 | P330 | P350 | P365 |
|------------|------|------|------|------|
| Bushing ID | 0.95 | 1.07 | 1.3 | 1.52 |
| Bushing OD | 1 | 1.18 | 1.46 | 1.67 |

Dimensions in inches

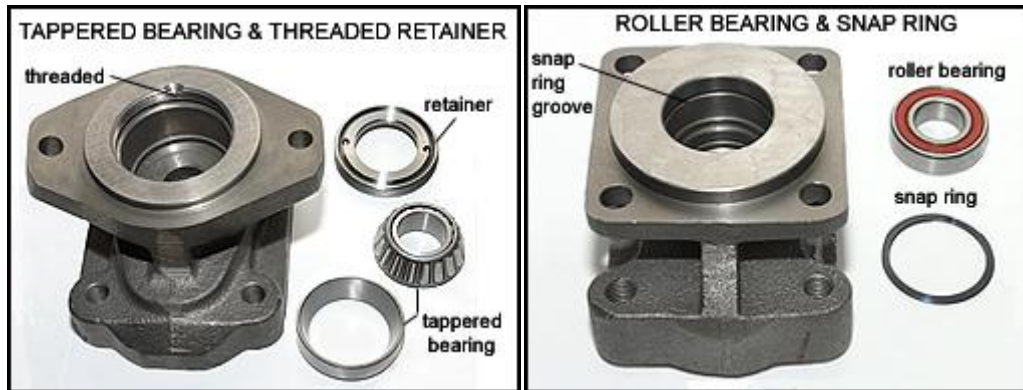
2 - Support studs (Bolts or Threaded Rods)



| Series | P15H | P37X | P25X | P20 | P30-P31 | P50-P51 | P75-P76 | P315 | P330 | P350 | P365 |
|-----------|------|------|------|-------|---------|---------|---------|-------|------|------|------|
| No. Studs | 4 | 8 | 4 | 4 | 4 | 4 | 8 | 4 | 4 | 4 | 4 |
| Thread | 1/2" | 1/2" | 5/8" | 9/16" | 5/8" | 5/8" | 5/8" | 2-Jan | 5/8" | 5/8" | 5/8" |

Dimensions in inches

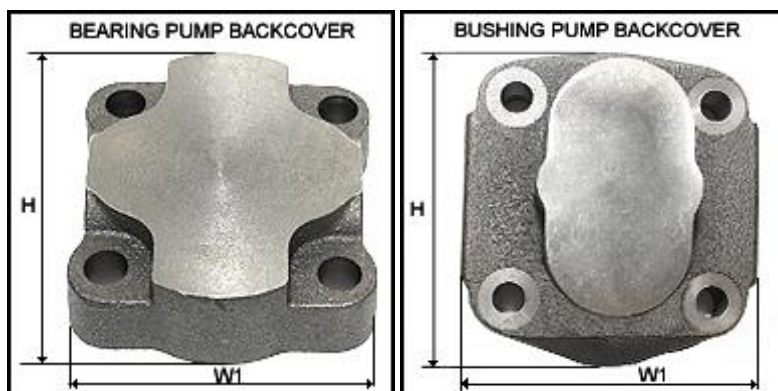
3 - Front Bearing & Retainer

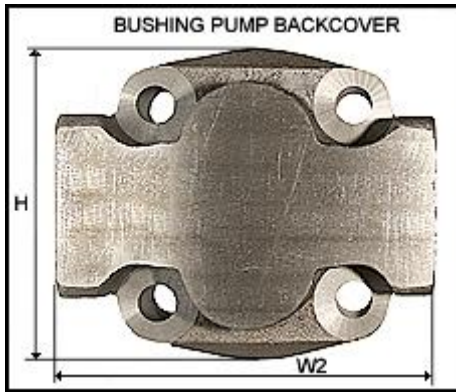


| Series | P15H | P37X | P25X | P20 | P30- P31 | P50- P51 | P75- P76 | P315 | P330 | P350 | P365 |
|-------------------|------|------|------|-----|-------------|-------------|-------------|------|------|------|------|
| Ball Bearing | YES | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Bearing OD | 2.4 | NO | NO | 2 | 2 | 2.8 | 3.15 | NO | 2 | 2.8 | 3.15 |
| Snap Ring | YES | NO | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| Tappered Bearing | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO |
| Brg Cone OD | NO | | | NO | NO | NO | NO | NO | NO | NO | NO |
| Threaded Retainer | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO |

Dimensions in inches

4 - Back Cover Dimensions





| Series | P15H | P37X | P25X | P20 | P30-P31 | P50-P51 | P75-P76 | P315 | P330 | P350 | P365 |
|--------------|-------|------|------|-----|---------|---------|---------|------|------|------|------|
| Dimension-W1 | 3.375 | 5.25 | 4.94 | 4.7 | 4.81 | 4.94 | 6.13 | 4 | 4.8 | 5.75 | 6.25 |
| Dimension-W2 | 5.25 | 7.31 | 6 | 5 | 5.38 | 6 | 7.88 | 4.24 | 6.88 | 7.12 | 7.38 |
| Dimension-H | 5.25 | 7.31 | 6 | 5 | 5.38 | 6 | 7.88 | 4.31 | 5.38 | 6 | 7 |

Dimensions in inches

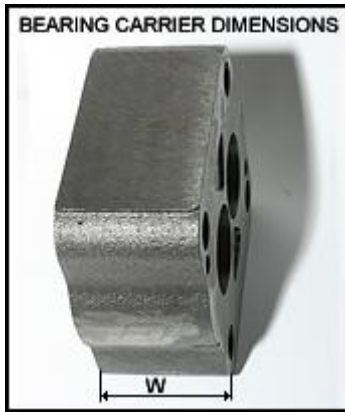
5 - Gear Set Dimensions



| Series | P15H | P37X | P25X | P20 | P30-P31 | P50-P51 | P75-P76 | P315 | P330 | P350 | P365 |
|-----------------|------|------|------|-----|---------|---------|---------|------|------|------|------|
| Number of Teeth | 14 | 12 | 10 | 10 | 10 | 10 | 10 | 12 | 10 | 10 | 9 |
| Dimension-D | 2 | 2.79 | 2.39 | 2.1 | 2.1 | 2.39 | 3 | 1.76 | 2.1 | 2.4 | 2.74 |

Dimensions in inches

6 - Bearing Carrier Dimensions



| Series | P15H | P37X | P25X | P20 | P30-P31 | P50-P51 | P75-P76 | P315 | P330 | P350 | P365 |
|-------------|------|------|------|-----|---------|---------|---------|------|------|------|------|
| Dimension-W | 2.5 | 3 | 2.88 | 2.5 | 2.5 | 2.88 | 3 | 2.62 | 3.5 | 3.5 | 4 |

Dimensions in inches

7 - Thrust Plate Dimensions



| Series | P15H | P37X | P25X | P20 | P30-P31 | P50-P51 | P75-P76 | P315 | P330 | P350 | P365 |
|-------------|------|------|------|------|---------|---------|---------|------|------|------|------|
| Dimension-W | 0.38 | 0.50 | 0.38 | 0.38 | 0.38 | 0.38 | 0.50 | 0.40 | 0.25 | 0.25 | 0.25 |

Dimensions in inches