



HITACHI

Reliable solutions

HSP O-RING KIT FOR CONTROL VALVE OVERHAUL
LIST OF PARTS NUMBER FOR EACH APPLICABLE MODEL

| APPLICABLE MACHINE MODELS | PARTS No. |
|---------------------------|--------------|
| ZX55UR | XP00000015PS |
| ZX70 | XP00000009PS |
| ZX110 | XP00000010PS |
| ZX120 | |
| ZX110-3 | XP00000011PS |
| ZX120-3 | |
| EX200-2 EX200-3 | XP00000003PS |
| EX200-5 | XP00000002PS |
| ZX200 | XP00000001PS |
| ZX200-3 | XP00000008PS |
| ZX240-3 | |
| ZX330-3 | |
| ZX230 | XP00000004PS |
| ZX330 | XP00000007PS |

O-ring Kits for other machine models are planned to be sold in sequence.

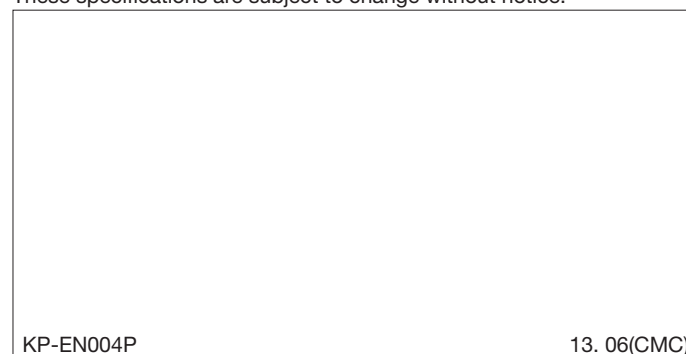
Hitachi Select Parts

O-RING KIT
FOR CONTROL VALVE OVERHAUL

ON SALE OF O-RING KIT FOR CONTROL VALVE OVERHAUL

Please contact the nearest authorized Hitachi dealer for precise advice on a product or maintenance service.

These specifications are subject to change without notice.



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O-RING KIT FOR CONTROL VALVE OVERHAUL O-RING KIT FOR CONTROL VALVE OVERHAUL

YOUR NEXT SELECTION

Hitachi Select Parts O-RING KIT FOR CONTROL VALVE OVERHAUL

The control valve is one of the important parts that regulates oil flow and controls hydraulic device. O-rings seal the inside of the control valves. Use of appropriate O-rings that are suitable is essential for proper maintenance of the overall machine performance. Hitachi Select Parts O-ring Kit is a package of the uniquely-developed O-rings which are replaced during overhauling control valves.

Roles of O-ring

1 PREVENTING OIL LEAK

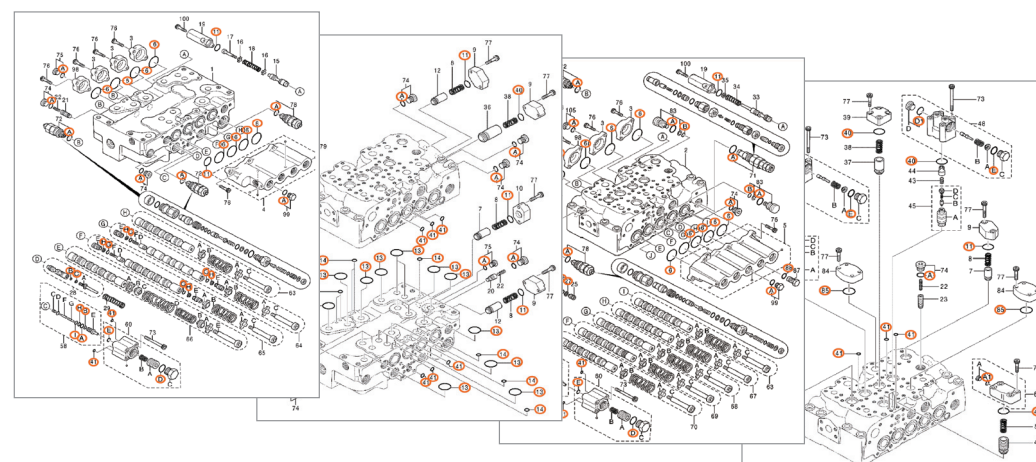
The O-ring prevents oil leakage to the outside by press-fitting it to a control valve. Oil leakage through a deteriorated O-ring may cause various troubles.

2 PREVENTING IMPURITY INTRUSION

The O-ring prevents the intrusion of dust and moisture from the outside. Deteriorated O-ring and intrusion of impurities may adversely affect other hydraulic devices including pumps, cylinders, and motors by causing scoring, abnormal wear and other problems.

When oil leakage is detected in the control valve, early replacement of the O-ring is recommended. Be certain to use O-ring Kit made of Hitachi to maintain high machine performance when O-ring is replaced.

HITACHI SELECT PARTS O-RING KIT COMES WITH THESE O-RINGS. EXAMPLE FOR ZX200-3, ZX240-3, AND ZX330-3



* O-rings in the kit differ depending on the applicable machine models.
* O-rings on pipes connected to control valves are not included in the kit.
* In case of any deterioration of O-rings that are not contained in the kit is found, please separately make a purchase of the corresponding O-rings, and replace them as early as possible.

Features of Hitachi Select Parts (HSP) O-ring Kit

Long life through high durability and resistance to heat and oil

1 HIGH-QUALITY MATERIALS

The high-quality materials are used for HSP O-ring Kit. The special treatment is applied to the surface to enhance durability, resistance to heat, and resistance to oil. The general materials are used for imitation O-rings. The special treatment is not applied to the surface.

2 HIGH MANUFACTURING QUALITY

HSP O-ring Kit is manufactured under the high-level quality control to provide the stable quality. The quality variance of imitation O-rings is large, and flaws and burrs are shown.



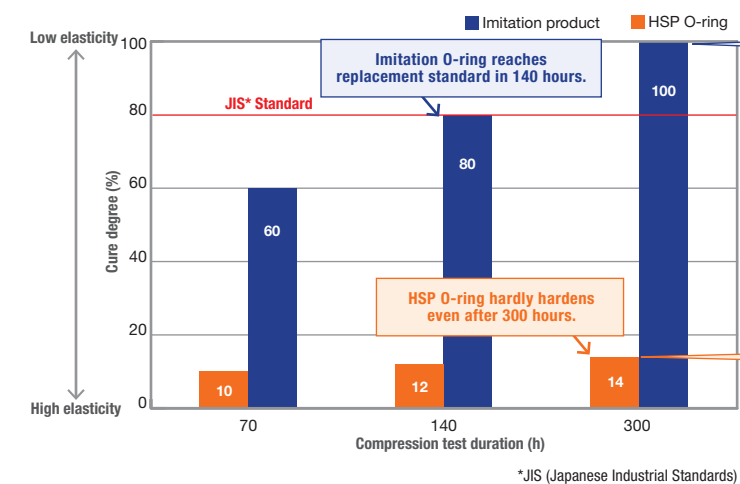
3 EXTREMELY HIGH DURABILITY

Comparison test of deterioration durability of HSP O-ring Kit and imitation O-ring was conducted. The deterioration of imitation O-rings started at an early stage. The elasticity needed for sealing lowered and the sealing function was completely lost. HSP O-ring Kit hardly deteriorated, and its elasticity was maintained. Compared with imitation O-rings, HSP O-ring Kit features a 7-fold longer life.

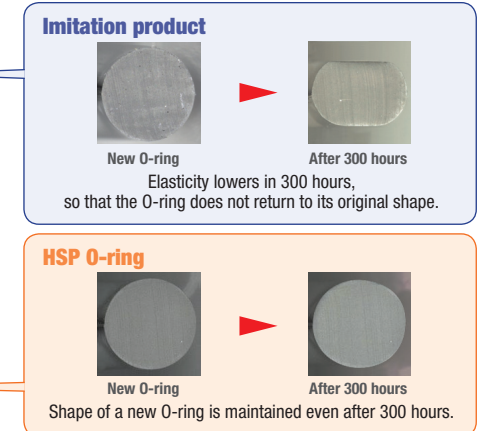
Result of deterioration durability (heating and compressing) test (In-house comparison)

Test conditions
 Temperature: 120 °C
 Compression ratio: 25 %
 Duration: 70, 140 and 300 hours
 Ambience: In air

* The test results vary depending on the operating ambience and frequency of machine use.
 * Imitation O-rings do not necessarily produce the following test results.



After test (cross section)



What are Hitachi Select Parts?

Hitachi Select Parts have been developed for the purposes of supplying the high-quality parts exclusively for Hitachi products to its customers at reasonable prices. Hitachi Select Parts are available from a versatile lineup suiting the type and operating conditions of machines.