



## PISTON SEAL

## PS184

### Features:

Piston seal profile PS184 consists of two piece seal set for sealing pistons with one seal ring and one NBR square/rectangular energizer ring.

### Composition:

PS184 is a combination of split glass filled polyamide seal ring along with NBR Square/Rectangular energizer ring.

SEAL COMBINATION	SEAL RING COMPOUND	SQUARE ENERGIZER	TEMP. RANGE	WORKING PRESSURE (Max.)	SURFACE SPEED (Max.)
PS184-01	PA10	NB04	-35 to 100°C	400 Bar	1.5 m/s

For compound detail please refer Royal seal compounds. (Section - III)

### Properties:

- High abrasion resistance
- Low wear and high extrusion resistance
- Wide fluid application range
- Resistance against cold flow
- Minimum installation space required

### Application:

- Mobile Hydraulics
- Machine tools
- Material Handling Equipments

### Surface finish:

Roughness depth	R(max)	Ra
Sliding surface	≤ 2.5 μm	0.05-0.3 μm
Bottom of groove	≤ 6.3 μm	≤ 1.6 μm
Side of groove	≤ 15 μm	≤ 3μm



SEALS FOR HYDRAULICS & PNEUMATICS

### **Installation :**

PS184 piston seals can be fitted on single-piece pistons. First insert the rubber Square Ring into the housing carefully to avoid twisting of Ring. The polyamide ring is then carefully placed on the piston above the Square Ring.

### **Ordering format :**

Please Follow ROYAL order code to place your order.

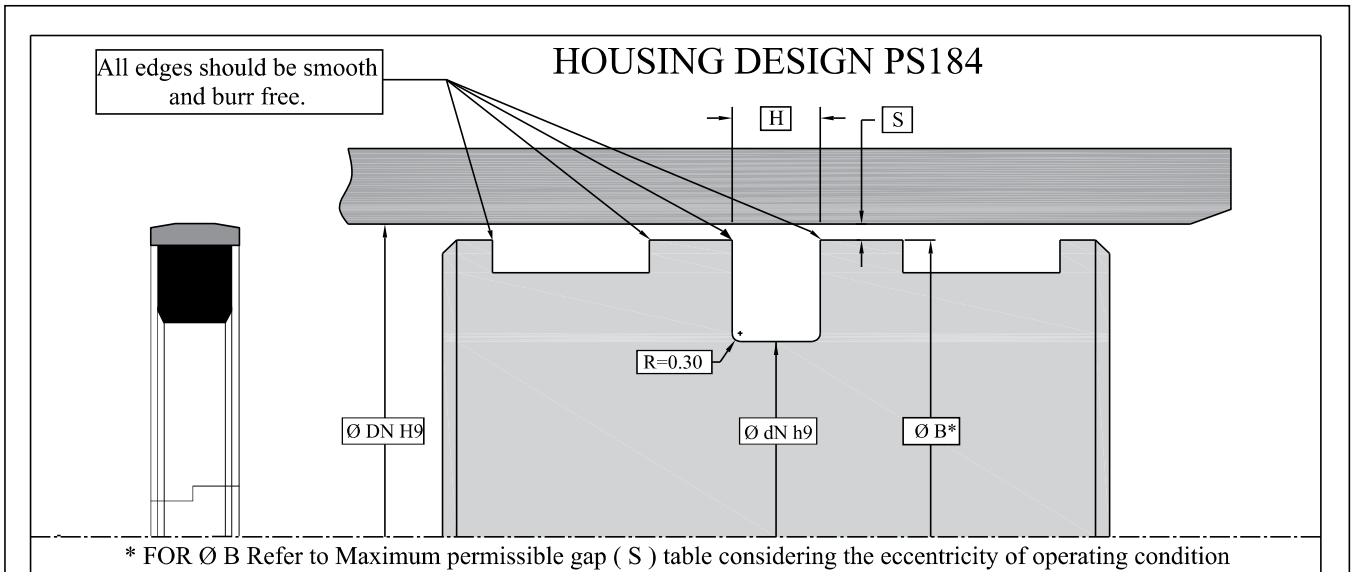
Example - for Metric Size Imperial Size 50.00 X 34.50 X 6.30 - order code is **PS184-M-01-050.00 X 034.50 X 06.30**

Please contact ROYAL at [info@royalcomposites.co.in](mailto:info@royalcomposites.co.in) / [info@royalseals.co.in](mailto:info@royalseals.co.in) if your required size is not mentioned in Royal standard size list



**ROYAL**

SEALS FOR HYDRAULICS & PNEUMATICS



**ROYAL STANDARD SIZE LIST**

DN (H9)	dN (h9)	H (+0.20)		ORDER CODE
50.00	34.50	6.30		PS184-M-01-050.00 X 034.50 X 06.30
63.00	47.50	6.30		PS184-M-01-063.00 X 047.50 X 06.30
75.00	54.00	8.10		PS184-M-01-075.00 X 054.00 X 08.10
75.00	59.50	6.30		PS184-M-01-075.00 X 059.50 X 06.30
80.00	59.00	8.10		PS184-M-01-080.00 X 059.00 X 08.10
80.00	64.50	6.30		PS184-M-01-080.00 X 064.50 X 06.30
85.00	64.00	8.10		PS184-M-01-085.00 X 064.00 X 08.10
90.00	69.00	8.10		PS184-M-01-090.00 X 069.00 X 08.10
90.00	74.50	6.30		PS184-M-01-090.00 X 074.50 X 06.30
95.00	74.00	8.10		PS184-M-01-095.00 X 074.00 X 08.10
100.00	79.00	8.10		PS184-M-01-100.00 X 079.00 X 08.10
100.00	84.50	6.30		PS184-M-01-100.00 X 084.50 X 06.30
105.00	84.00	8.10		PS184-M-01-105.00 X 084.00 X 08.10
110.00	89.00	8.10		PS184-M-01-110.00 X 089.00 X 08.10
110.00	94.50	6.30		PS184-M-01-110.00 X 094.50 X 06.30
115.00	94.00	8.10		PS184-M-01-115.00 X 094.00 X 08.10
120.00	99.00	8.10		PS184-M-01-120.00 X 099.00 X 08.10
125.00	104.00	8.10		PS184-M-01-125.00 X 104.00 X 08.10
125.00	109.50	6.30		PS184-M-01-125.00 X 109.50 X 06.30
130.00	109.00	8.10		PS184-M-01-130.00 X 109.00 X 08.10
135.00	114.00	8.10		PS184-M-01-135.00 X 114.00 X 08.10
140.00	119.00	8.10		PS184-M-01-140.00 X 119.00 X 08.10
145.00	124.00	8.10		PS184-M-01-145.00 X 124.00 X 08.10
150.00	129.00	8.10		PS184-M-01-150.00 X 129.00 X 08.10
155.00	134.00	8.10		PS184-M-01-155.00 X 134.00 X 08.10
160.00	139.00	8.10		PS184-M-01-160.00 X 139.00 X 08.10
165.00	144.00	8.10		PS184-M-01-165.00 X 144.00 X 08.10
170.00	149.00	8.10		PS184-M-01-170.00 X 149.00 X 08.10
175.00	154.00	8.10		PS184-M-01-175.00 X 154.00 X 08.10
180.00	159.00	8.10		PS184-M-01-180.00 X 159.00 X 08.10
185.00	164.00	8.10		PS184-M-01-185.00 X 164.00 X 08.10

