



PISTON SEAL

PS056

Features:

Piston seal profile PS056 consists of five piece seal set for sealing pistons with one elastomer sealing component, two support rings and two anti-extrusion rings.

Composition:

SEAL COMBINATION	SEAL RING COMPOUND	BACK-UP RING COMPOUND	AE- RING COMPOUND	TEMP. RANGE	WORKING PRESSURE (Max.)	SURFACE SPEED (Max.)
PS056-01	NB03	PU06	PA07	-35 to 100°C	315 Bar	0.5 m/s

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

Properties:

- Less space required for seal and guide elements.
- Prevents distortion inside the groove.
- Single Piece Piston with one groove.
- No extrusion into the radial sealing gap
- Suitable for rapid energisation.
- Sealing component protected against twisting.
- Zero leakage.

Application:

- Mobile Hydraulics
- Injection moulding machines
- Machine tools
- Piston Accumulator.
- Agricultural equipment
- Standard cylinders

Fitting:

PS056 is very easy to fit. Careful fitting of the seal is a prerequisite for it's perfect functioning.

Surface finish:

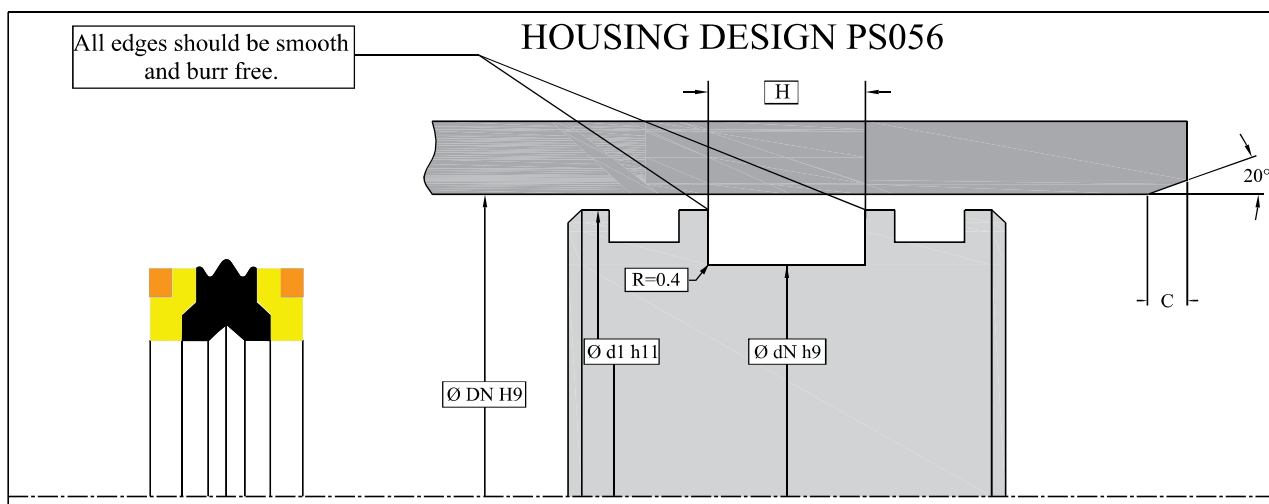
Roughness depth	R(max)	Ra
Sliding surface	≤ 2.5 μm	0.05-0.3 μm
Bottom of groove	≤ 6.3 μm	≤ 1.6 μm
Side of groove	≤ 15 μm	≤ 3μm

Ordering format:

Please mention ROYAL Order Code in your order.

Example: Metric Size 70 X 55 X 22.4 Order Code is **PS056-M-01-070.00 X 055.00 X 22.40**

We have given all metric(mm) sizes here. For Imperial (inch) sizes please contact ROYAL at info@royalcomposites.co.in / info@royalseals.co.in



ROYAL STANDARD SIZE LIST

$\varnothing DN$ (H9)	$\varnothing dN$ (h9)	H (+0.20)	d1 (h11)	C	ORDER CODE
70.00	55.00	22.40	69.00	4.00	PS056-M-01-070.00 X 055.00 X 22.40
80.00	65.00	22.40	79.00	5.00	PS056-M-01-080.00 X 065.00 X 22.40
90.00	70.00	22.40	89.00	5.00	PS056-M-01-090.00 X 070.00 X 22.40
100.00	80.00	30.00	99.00	5.00	PS056-M-01-100.00 X 080.00 X 30.00
110.00	90.00	30.00	109.00	5.00	PS056-M-01-110.00 X 090.00 X 30.00
120.00	100.00	30.00	119.00	6.00	PS056-M-01-120.00 X 100.00 X 30.00
130.00	110.00	30.00	129.00	6.00	PS056-M-01-130.00 X 110.00 X 30.00