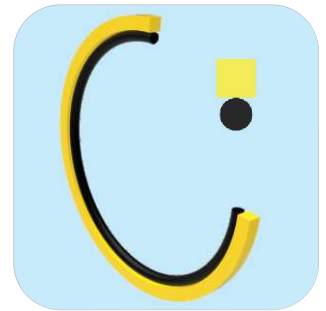


## PISTON SEAL

## PS160



### Features:

Piston seal profile PS160 consists of two piece seal set for sealing pistons with one modified PTFE seal ring and one NBR 'O' ring as energizer.

### Composition:

SEAL COMBINATION	SEAL RING COMPOUND	O-RING COMPOUND	TEMP. RANGE	WORKING PRESSURE (Max.)	SURFACE SPEED (Max.)
PS160-01	PT08	NB02	-35 to 100°C	315 Bar	4 m/s
PS160-02	PT02	NB02	-35 to 100°C	315 Bar	4 m/s

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

### Properties:

- Low friction, free of stick slip
- High abrasion resistance
- Wide temperature Range
- Wide fluid application range
- Minimum installation space required

### Application:

- Mobile Hydraulics
- Machine tools
- Control and regulating apparatus

### Installation :

PS160 piston seals can be fitted on single-piece pistons. First insert the rubber O Ring into the housing carefully to avoid twisting of Ring. Install the PTFE part carefully over the O ring.

### Ordering format :

Please Follow ROYAL order code to place your order.

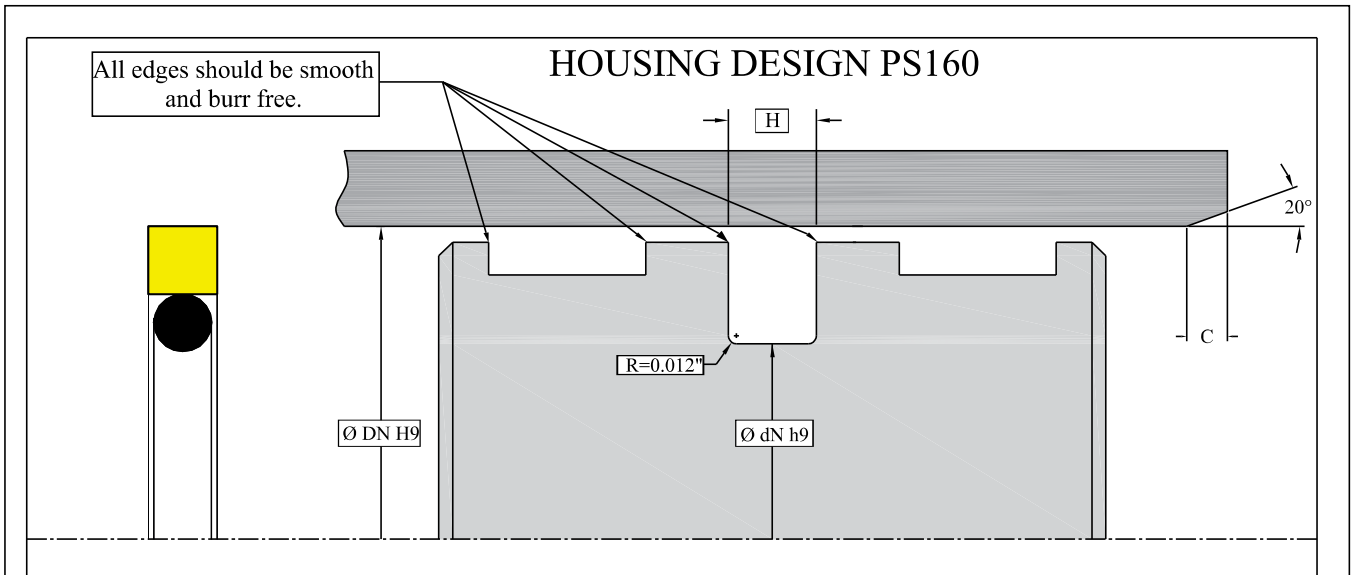
Example: For Imperial size 0.500"X 0.241"X 0.083" Order Code is **PS160-I-01-00.500 X 00.241 X 0.083**

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**

**IMPERIAL SIZES**

DN (H9)	dN (h9)	H (+0.008")	C	ORDER CODE
0.500	0.241	0.083	0.118	PS160-I-01-00.500 X 00.241 X 0.083
0.625	0.366	0.083	0.118	PS160-I-01-00.625 X 00.366 X 0.083
0.750	0.491	0.083	0.118	PS160-I-01-00.750 X 00.491 X 0.083
1.000	0.741	0.083	0.118	PS160-I-01-01.000 X 00.741 X 0.083
1.125	0.866	0.083	0.118	PS160-I-01-01.125 X 00.866 X 0.083
1.250	0.991	0.083	0.118	PS160-I-01-01.250 X 00.991 X 0.083
1.375	1.116	0.083	0.118	PS160-I-01-01.375 X 01.116 X 0.083
1.500	1.241	0.083	0.118	PS160-I-01-01.500 X 01.241 X 0.083
1.625	1.235	0.122	0.177	PS160-I-01-01.625 X 01.235 X 0.122
1.750	1.360	0.122	0.177	PS160-I-01-01.750 X 01.360 X 0.122
1.875	1.483	0.122	0.177	PS160-I-01-01.875 X 01.483 X 0.122
2.000	1.606	0.130	0.177	PS160-I-01-02.000 X 01.606 X 0.130
2.125	1.733	0.130	0.177	PS160-I-01-02.125 X 01.733 X 0.130
2.250	1.856	0.130	0.177	PS160-I-01-02.250 X 01.856 X 0.130
2.375	1.981	0.130	0.177	PS160-I-01-02.375 X 01.981 X 0.130
2.500	2.106	0.130	0.177	PS160-I-01-02.500 X 02.106 X 0.130
2.750	2.356	0.130	0.177	PS160-I-01-02.750 X 02.356 X 0.130
3.000	2.606	0.130	0.177	PS160-I-01-03.000 X 02.606 X 0.130
3.125	2.733	0.130	0.177	PS160-I-01-03.125 X 02.733 X 0.130
3.250	2.856	0.130	0.177	PS160-I-01-03.250 X 02.856 X 0.130
3.375	2.983	0.130	0.177	PS160-I-01-03.375 X 02.983 X 0.130
3.500	3.106	0.130	0.177	PS160-I-01-03.500 X 03.106 X 0.130
3.625	3.233	0.130	0.177	PS160-I-01-03.625 X 03.233 X 0.130
3.750	3.356	0.130	0.177	PS160-I-01-03.750 X 03.356 X 0.130
4.000	3.606	0.130	0.177	PS160-I-01-04.000 X 03.606 X 0.130
4.250	3.856	0.130	0.177	PS160-I-01-04.250 X 03.856 X 0.130
4.400	4.008	0.130	0.177	PS160-I-01-04.400 X 04.008 X 0.130
4.500	4.106	0.130	0.177	PS160-I-01-04.500 X 04.106 X 0.130
4.750	4.356	0.130	0.177	PS160-I-01-04.750 X 04.356 X 0.130

ROYAL STANDARD SIZE LIST

DN (H9)	dN (h9)	H (+0.008")	C	ORDER CODE
4.875	4.483	0.130	0.177	PS160-I-01-04.875 X 04.483 X 0.130
5.000	4.606	0.130	0.177	PS160-I-01-05.000 X 04.606 X 0.130
5.250	4.856	0.130	0.177	PS160-I-01-05.250 X 04.856 X 0.130
5.500	5.106	0.130	0.177	PS160-I-01-05.500 X 05.106 X 0.130
5.750	5.232	0.159	0.236	PS160-I-01-05.750 X 05.232 X 0.159
5.875	5.357	0.159	0.236	PS160-I-01-05.875 X 05.357 X 0.159
6.000	5.482	0.159	0.236	PS160-I-01-06.000 X 05.482 X 0.159
6.125	5.607	0.159	0.236	PS160-I-01-06.125 X 05.607 X 0.159
6.250	5.732	0.159	0.236	PS160-I-01-06.250 X 05.732 X 0.159
6.500	5.982	0.159	0.236	PS160-I-01-06.500 X 05.982 X 0.159
6.750	6.232	0.159	0.236	PS160-I-01-06.750 X 06.232 X 0.159
7.000	6.482	0.159	0.236	PS160-I-01-07.000 X 06.482 X 0.159
7.250	6.732	0.159	0.236	PS160-I-01-07.250 X 06.732 X 0.159
7.500	6.982	0.159	0.236	PS160-I-01-07.500 X 06.982 X 0.159
7.750	7.232	0.159	0.236	PS160-I-01-07.750 X 07.232 X 0.159
8.000	7.482	0.159	0.236	PS160-I-01-08.000 X 07.482 X 0.159
8.125	4.607	0.159	0.236	PS160-I-01-08.125 X 04.607 X 0.159
8.250	7.732	0.159	0.236	PS160-I-01-08.250 X 07.732 X 0.159
8.500	7.982	0.159	0.236	PS160-I-01-08.500 X 07.982 X 0.159
8.750	8.232	0.159	0.236	PS160-I-01-08.750 X 08.232 X 0.159
9.000	8.482	0.159	0.236	PS160-I-01-09.000 X 08.482 X 0.159
9.250	8.732	0.159	0.236	PS160-I-01-09.250 X 08.732 X 0.159
9.500	8.982	0.159	0.236	PS160-I-01-09.500 X 08.982 X 0.159
9.750	9.232	0.159	0.236	PS160-I-01-09.750 X 09.232 X 0.159
10.000	9.482	0.159	0.236	PS160-I-01-10.000 X 09.482 X 0.159
10.250	9.732	0.159	0.236	PS160-I-01-10.250 X 09.732 X 0.159
10.500	9.982	0.159	0.236	PS160-I-01-10.500 X 09.982 X 0.159
10.750	10.232	0.159	0.236	PS160-I-01-10.750 X 10.232 X 0.159
11.000	10.482	0.159	0.236	PS160-I-01-11.000 X 10.482 X 0.159
11.500	10.982	0.159	0.236	PS160-I-01-11.500 X 10.982 X 0.159
12.000	11.482	0.159	0.236	PS160-I-01-12.000 X 11.482 X 0.159
12.500	11.982	0.159	0.236	PS160-I-01-12.500 X 11.982 X 0.159
13.000	12.482	0.159	0.236	PS160-I-01-13.000 X 12.482 X 0.159
14.000	13.482	0.159	0.236	PS160-I-01-14.000 X 13.482 X 0.159