

Piston & Rod Seals

8400

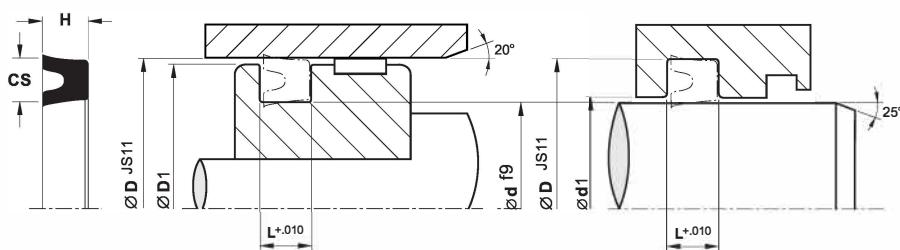
(Inch Size)



Material	Pressure (Bar)	Temp. (°C)	Speed (m/s)
NBR	50	-20 +80	1

- Easy installation in simple grooves.
- Low friction.
- Used for both pistons and rods.
- Extended service life.

Installation Recommendation



Surface roughness

μin CLA

Sliding surface	4 to 16
Surface of housing	63 max
Sides of housing	125 max

Piston & Rod Seals - 8400

(Inch Size)

Nominal Seal Dimensions			Rod/ Groove Dia.	Bore/ Groove Dia.	Throat Dia.	Piston Dia.	Groove Width w/o Back up	Groove Width with Back up	Reference
ID.	OD.	CS/H	d	D	d1	D1			
1/4	1/2	1/8	.250	.500	.251	.498	.156	.219	840400250
5/16	1/2	3/32	.312	.500	.313	.498	.125	.188	840300312
5/16	9/16	1/8	.312	.562	.313	.560	.156	.219	840400312
3/8	5/8	1/8	.375	.625	.376	.623	.156	.219	840400375
1/2	3/4	1/8	.500	.750	.501	.748	.156	.219	840400500
5/8	7/8	1/8	.625	.875	.626	.873	.156	.219	840400625
3/4	1	1/8	.750	1.000	.751	.998	.156	.219	840400750
13/16	1-1/16	1/8	.812	1.062	.813	1.060	.156	.219	840400812
7/8	1-1/8	1/8	.875	1.125	.876	1.123	.156	.219	840400875
15/16	1-3/16	1/8	.938	1.188	.939	1.186	.156	.219	840400937
15/16	1-1/4	5/32	.938	1.250	.939	1.248	.188	.250	840500937
1	1-1/4	1/8	1.000	1.250	1.001	1.248	.156	.219	840401000
1	1-5/16	5/32	1.000	1.312	1.001	1.310	.188	.250	840501000
1	1-1/2	1/4	1.000	1.500	1.001	1.498	.281	.344	840801000
1-1/16	1-3/8	5/32	1.062	1.375	1.063	1.373	.188	.250	840501062
1-1/8	1-3/8	1/8	1.125	1.375	1.126	1.373	.156	.219	840401125
1-3/16	1-1/2	5/32	1.188	1.500	1.189	1.498	.188	.250	840501187
1-1/4	1-9/16	5/32	1.250	1.562	1.251	1.560	.188	.250	840501250
1-5/16	1-5/8	5/32	1.312	1.625	1.313	1.623	.188	.250	840501312
1-3/8	1-11/16	5/32	1.375	1.688	1.376	1.686	.188	.250	840501375
1-3/8	1-3/4	3/16	1.375	1.750	1.376	1.748	.219	.281	840601375
1-1/2	1-13/16	5/32	1.500	1.812	1.501	1.810	.188	.250	840501500
1-1/2	1-7/8	3/16	1.500	1.875	1.501	1.873	.219	.281	840601500
1-5/8	2	3/16	1.625	2.000	1.626	1.998	.219	.281	840601625
1-3/4	2-1/8	3/16	1.750	2.125	1.751	2.123	.219	.281	840601750
1-7/8	2-1/4	3/16	1.875	2.250	1.876	2.248	.219	.281	840601875
1-15/16	2-3/8	7/32	1.938	2.375	1.939	2.373	.250	.312	840701937
2	2-3/8	3/16	2.000	2.375	2.001	2.373	.219	.281	840602000
2-1/8	2-1/2	3/16	2.125	2.500	2.126	2.498	.219	.281	840602125
2-1/4	2-5/8	3/16	2.250	2.625	2.251	2.623	.219	.281	840602250
2-1/4	3	3/8	2.250	3.000	2.251	2.998	.406	.469	841202250
2-3/8	2-3/4	3/16	2.375	2.750	2.376	2.748	.219	.281	840602375
2-1/2	2-7/8	3/16	2.500	2.875	2.501	2.873	.219	.281	840602500
2-1/2	2-15/16	7/32	2.500	2.938	2.501	2.936	.250	.312	840702500
2-9/16	3	7/32	2.562	3.000	2.563	2.998	.250	.312	840702562
2-3/4	3-1/8	3/16	2.750	3.125	2.751	3.123	.219	.281	840602750
2-3/4	3-3/16	7/32	2.750	3.188	2.751	3.186	.250	.312	840702750
2-13/16	3-1/4	7/32	2.812	3.250	2.813	3.248	.250	.312	840702812
3	3-3/8	3/16	3.000	3.375	3.001	3.373	.219	.281	840603000
3	3-7/16	7/32	3.000	3.437	3.001	3.435	.250	.312	840703000

(Inch Size)

Nominal Seal Dimensions			Rod/Groove Dia.	Bore/Groove Dia.	Throat Dia.	Piston Dia.	Groove Width w/o Back up	Groove Width with Back up	Reference
ID.	OD.	CS/H	d	D	d1	D1			
3-1/16	3-1/2	7/32	3.062	3.500	3.063	3.498	.250	.312	840703062
3-1/2	4	1/4	3.500	4.000	3.501	3.998	.281	.344	840803500
3-3/4	4-1/4	1/4	3.750	4.250	3.751	4.248	.281	.344	840803750
4	4-1/2	1/4	4.000	4.500	4.001	4.498	.281	.344	840804000
4-1/4	4-3/4	1/4	4.250	4.750	4.251	4.748	.281	.344	840804250
4-7/16	5	9/32	4.437	5.000	4.438	4.997	.312	.375	840904437
4-1/2	5	1/4	4.500	5.000	4.501	4.997	.281	.344	840804500
4-3/4	5-1/4	1/4	4.750	5.250	4.751	5.247	.281	.344	840804750
5	5-9/16	9/32	5.000	5.562	5.001	5.559	.312	.375	840905000
5-1/8	5-3/4	5/16	5.125	5.750	5.126	5.747	.344	.406	841005125
5-3/8	6	5/16	5.375	6.000	5.376	5.997	.344	.406	841005375
5-7/16	6	9/32	5.438	6.000	5.439	5.997	.312	.375	840905437
5-1/2	6-1/8	5/16	5.500	6.125	5.501	6.122	.344	.406	841005500
5-15/16	6-1/2	9/32	5.938	6.500	5.939	6.497	.312	.375	840905937
6	6-5/8	5/16	6.000	6.625	6.001	6.622	.344	.406	841006000
6-3/8	7	5/16	6.375	7.000	6.376	6.997	.344	.406	841006375
6-31/32	7-19/32	5/16	6.969	7.594	6.970	7.591	.344	.406	841006969
7-3/8	8	5/16	7.375	8.000	7.376	7.997	.344	.406	841007375
9-5/16	10	11/32	9.312	10.000	9.314	9.997	.375	.438	841109312
11-1/4	12	3/8	11.250	12.000	11.252	11.997	.406	.469	841211250
13	14	1/2	13.000	14.000	13.002	13.997	.531	.594	841613000
13-3/16	14	13/32	13.188	14.000	13.190	13.997	.438	.500	841313187