



CPX Piston Seal® - (2 P.C.)

A product of MFP Seals.

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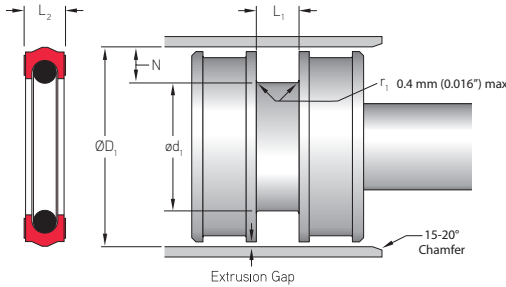
CPX PISTON SEAL®

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MFP Seals' CPX Piston Seal® is a double-acting piston seal designed to directly interchange with T-Seals, O-Rings and X-Rings. The urethane sealing surface produces a positive seal from vacuum to high pressure, due to a narrow single line seal contact area.



The standard compound for this seal is U2151, with an N6001 O-Ring Expander. It is also available in compounds U2145, U2150, U2162, & U4150.



MFP PART NUMBER
CPX-222U2151
SEAL TYPE SIZE PER AS568D COMPOUND
CPX-222-2U2151
ADD -2 FOR WIDE BASE

Pressure: 400 bar (5,800 psi)

Max. Velocity: 0.5 m/s (< 1.6 ft./s)

MAXIMUM EXTRUSION GAP RECOMMENDATION e-max at 80°C (175°F) for pressures

Radial Depth (Inch)	SERIES	PSI (BAR)		
N (NOMINAL)		2300 (160)	3600 (250)	5000 (344)
0.125	2	0.008	0.006	—
0.187	3	0.012	0.008	0.004
0.250	4	0.014	0.01	0.006

NOTE: The above data are maximum values for extrusion gap. Material type, pressure, temperature, speed and extrusion gap will affect extrusion resistance. Maximum values, pressure, speed, temperature and extrusion gap should not be applied continuously nor simultaneously.

MFP PART NUMBER	PISTON APPLICATION			GROOVE WIDTH: STANDARD	GROOVE WIDTH: WIDE BASE
	ØD1	ØD2	ød1	(NO BACKUP)	(2 BACKUP)
TOLERANCE	H9	h9	h9	+0.005/-0.000	+0.005/-0.000
CPX-214	1.250	1.248	1.008	0.187	—
CPX-216	1.375	1.373	1.133	0.187	—
CPX-218	1.500	1.498	1.258	0.187	—
CPX-220	1.625	1.623	1.383	0.187	—
CPX-222	1.750	1.748	1.508	0.187	0.304
CPX-224	2.000	1.998	1.758	0.187	—
CPX-326	2.000	1.998	1.630	0.281	0.424
CPX-328	2.250	2.248	1.880	0.281	—
CPX-330	2.500	2.498	2.130	0.281	0.424
CPX-332	2.750	2.748	2.380	0.281	0.424
CPX-334	3.000	2.998	2.630	0.281	0.424
CPX-338	3.500	3.498	3.130	0.281	0.424
CPX-340	3.750	3.748	3.380	0.281	—
CPX-342	4.000	3.998	3.630	0.281	0.424
CPX-346	4.500	4.498	4.130	0.281	—
CPX-350	5.000	4.998	4.630	0.281	—
CPX-425	5.000	4.998	4.526	0.375	—
CPX-427	5.250	5.248	4.776	0.375	—
CPX-429	5.500	5.498	5.026	0.375	—
CPX-433	6.000	5.998	5.526	0.375	—
CPX-437	6.500	6.498	6.026	0.375	—
CPX-440	7.250	7.248	6.776	0.375	—
CPX-443	8.000	7.998	7.526	0.375	—

Compound information available on pages 20-37.

Surface Finish: ISO 4287 & Chamfer Information on pages 7-9. For ISO tolerance charts, refer to pages 12-13.

PISTON ASSEMBLIES