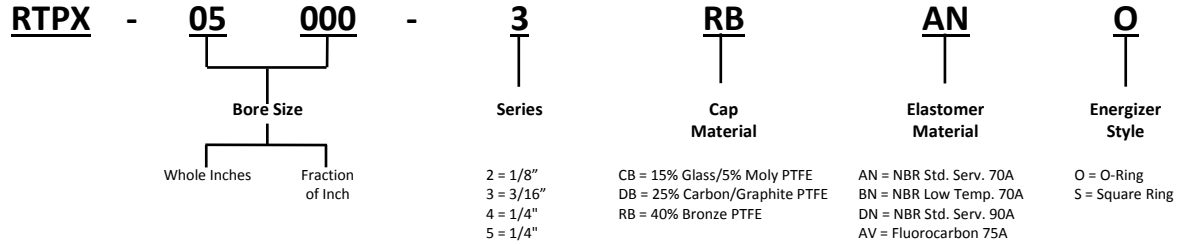


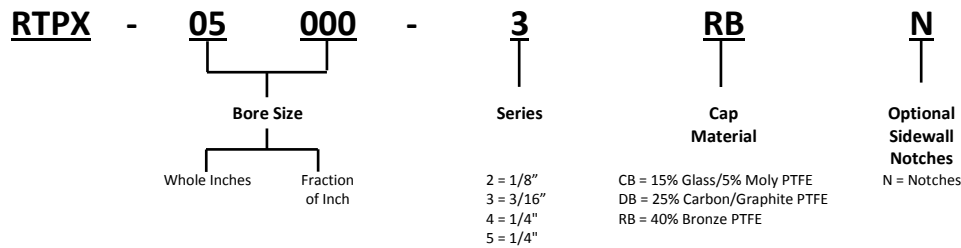
## HYDRA CAP "RTPX" PROFILE

### PART NUMBERING SYSTEM FOR X-RING LOADED CAP WITH EXPANDER



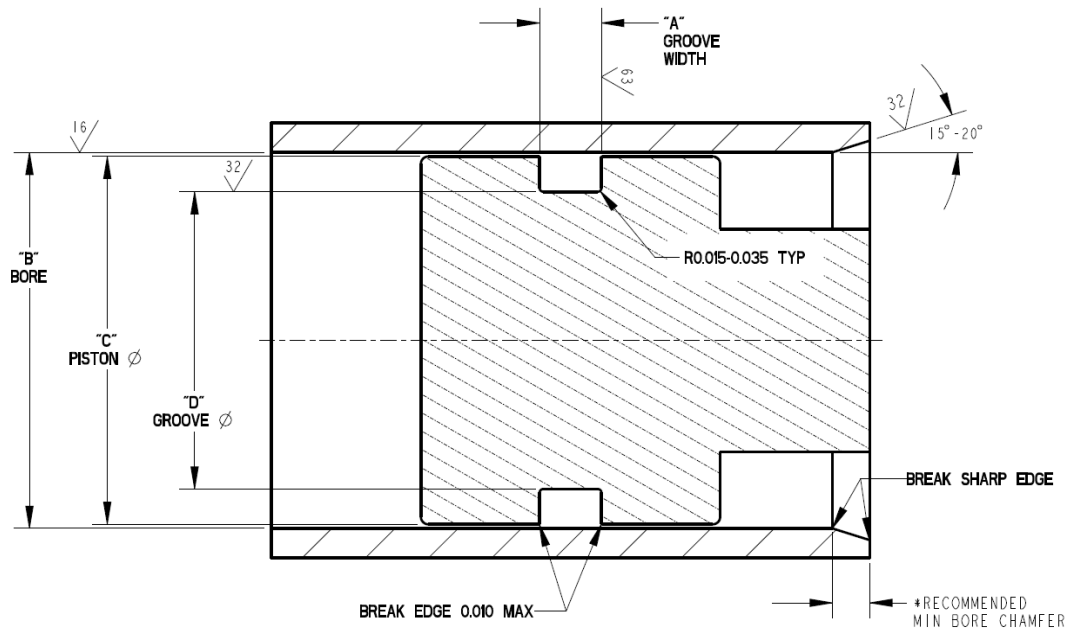
Note: All RTPX assemblies are notched on both sides for venting.

### PART NUMBERING SYSTEM FOR CAP ONLY



Note: Customer supplies elastomer components.

### GLAND DIMENSIONS



Note:  
Not all sizes listed are tooled.  
Please contact HPS for availability and custom sizes.

Diametrical Tolerances			
Bore "B"	Tol.	Groove "D"	Tol.
1.000" to 2.000"	+0.003" -0.000"	0.500" to 1.750"	+0.000" -0.003"
2.001" to 5.250"	+0.004" -0.000"	1.751" to 4.634"	+0.000" -0.004"
5.251" to 7.750"	+0.005" -0.000"	4.535" to 6.045"	+0.000" -0.005"
7.751" to 10.000"	+0.006" -0.000"	6.046" to 9.165"	+0.000" -0.006"
10.001" to 14.000"	+0.008" -0.000"	9.166" to 13.125"	+0.000" -0.008"

Groove "D" Calculations			Max Diametrical Clearance (Max Bore "B" – Min Piston "C")		
Series	Groove "D"	Groove Width "A"	1000 PSI	3000 PSI	5000 PSI
2	Bore – 0.424"	0.210"/0.215"	0.018"	0.006"	0.004"
3	Bore – 0.616"	0.288"/0.293"	0.024"	0.008"	0.005"
4	Bore – 0.840"	0.375"/0.380"	0.030"	0.010"	0.006"
5	Bore – 0.920"	0.375"/0.380"	0.030"	0.010"	0.006"

\*Recommended min bore chamfer: 0.156" for bore diameter ≤ 2.000", 0.187" for bore diameter ≤ 5.250", 0.250" for bore diameter > 5.250".



HYDRA CAP "RTPX" ELASTOMER ENERGIZER AND DYNAMIC SEAL SIZES (AS-568 DASH NO.)								
Bore	Series 2		Series 3		Series 4		Series 5	
	Energizer	Dynamic Seal	Energizer	Dynamic Seal	Energizer	Dynamic Seal	Energizer	Dynamic Seal
1.000	-207	-020						
1.125	-209	-022						
1.250	-211	-024						
1.375	-213	-026						
1.500	-215	-028						
1.625	-217	-029						
1.750	-219	-030						
1.875	-221	-031						
2.000	-222	-032	-324	-133				
2.125			-325	-135				
2.250			-326	-137				
2.375			-327	-139				
2.500			-328	-141				
2.625			-329	-143				
2.750			-330	-145				
2.875			-331	-147				
3.000			-332	-149				
3.125			-333	-150				
3.250			-334	-151				
3.375			-335	-151				
3.500			-336	-152				
3.625			-337	-152				
3.750			-338	-153				
3.875			-339	-153				
4.000			-340	-154				
4.125			-341	-154				
4.250			-342	-155				
4.375			-343	-155				
4.500			-344	-155				
4.625			-345	-156				
4.750			-346	-157				
4.875			-347	-157				
5.000			-348	-158				
5.125			-349	-158				
5.250			-350	-159				
5.375			-351	-159	-425	-251		
5.500			-352	-160	-426	-252		

Note:  
 Not all sizes listed are tooled.  
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HYDRA CAP "RTPX" ELASTOMER ENERGIZER AND DYNAMIC SEAL SIZES (AS-568 DASH NO.)								
Bore	Series 2		Series 3		Series 4		Series 5	
	Energizer	Dynamic Seal	Energizer	Dynamic Seal	Energizer	Dynamic Seal	Energizer	Dynamic Seal
5.625			-353	-160	-427	-253		
5.750			-354	-161	-428	-254		
6.000			-356	-162	-430	-256		
6.250			-358	-163	-432	-258		
6.500			-360	-164	-434	-259		
6.750			-361	-165	-436	-260		
7.000			-362	-166	-437	-261		
7.250			-363	-167	-438	-262		
7.500			-364	-168	-439	-263		
7.750			-365	-169	-440	-264		
8.000			-366	-170	-441	-265		
8.250					-442	-266		
8.500					-443	-267		
8.750					-444	-268		
9.000					-445	-269		
9.250					-445	-270		
9.500					-446	-271		
9.750					-446	-272		
10.000					-447	-273		
10.500							-448	-274
11.000							-449	-275
11.500							-450	-276
12.000							-451	-277
12.500							-452	-278
13.000							-453	-278
13.500							-454	-279
14.000							-455	-279

Note:  
 Not all sizes listed are tooled.  
 Please contact HPS for availability and custom sizes.