

**ProCOMP PARTS CATALOG – YOUR SOURCE**  
**Telephone (888)388-4321 Fax (732)786-9511**  
[www.ProCOMP-INC.com](http://www.ProCOMP-INC.com)

**BIO-PHARM FITTINGS**

<b>Bio-Pharm Fittings Tolerances</b>									
<b>Nominal OD Size</b>	<b>1/2"</b>	<b>3/4"</b>	<b>1"</b>	<b>1 1/2"</b>	<b>2"</b>	<b>2 1/2"</b>	<b>3"</b>	<b>4"</b>	<b>6"</b>
OD Tolerance	±.005	±.005	±.005	±.008	±.008	±.010	±.010	±.015	±.030
Nominal Wall Thickness	.065	.065	.065	.065	.065	.065	.065	.083	.109
Wall Thickness Tolerances Before EP	+0.005 -0.008	+0.005 -0.008	+0.005 -0.008	+0.005 -0.008	+0.005 -0.008	+0.005 -0.008	+0.005 -0.008	+0.008 -0.010	+0.015 -0.015
Wall Thickness Tolerance After EP	+0.005 -0.010	+0.005 -0.010	+0.005 -0.010	+0.005 -0.010	+0.005 -0.010	+0.005 -0.010	+0.005 -0.010	+0.008 -0.012	+0.015 -0.017
Control Portion	.750	.750	.750	.750	.750	.750	.750	.750	.750
Tangent Length	1.500	1.500	1.500	1.500	1.750	1.750	1.750	2.000	2.500
Squareness Face to Tangent	.005	.005	.008	.008	.008	.010	.016	.016	.030
Off Angle	.014	.018	.025	.034	.043	.054	.068	.086	.135
Off Plane	.030	.030	.030	.050	.050	.050	.050	.060	.060

<b>Bio-Pharm Surface Finish</b>			
<b>Surface Finish Code</b>	<b>ID Finish (Ra Max)</b>	<b>BPE Designation</b>	<b>OD Finish</b>
PL	20 Ra Mechanical	SFF 1	32 Ra
PT	25 Ra Mechanical	SFF 2	32 Ra
PQ	30 Ra Mechanical	SFF 3	32 Ra
PC	20 Ra Mechanical	SFF 1	Unpolished
PF	25 Ra Mechanical	SFF 2	Unpolished
PB	30 Ra Mechanical	SFF 3	Unpolished
PM	15 Ra Mechanical & Electropolished	SFF 4	32 Ra
PO	20 Ra Mechanical & Electropolished	SFF 5	32 Ra
PR	25 Ra Mechanical & Electropolished	SFF 6	32 Ra
PD	15 Ra Mechanical & Electropolished	SFF 4	Unpolished
PG	20 Ra Mechanical & Electropolished	SFF 5	Unpolished
PK	25 Ra mechanical & Electropolished	SFF 6	Unpolished
PX	Unpolished		Unpolished
PZ	Unpolished		32 Ra

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NO ORDER IS TOO LARGE OR TOO SMALL