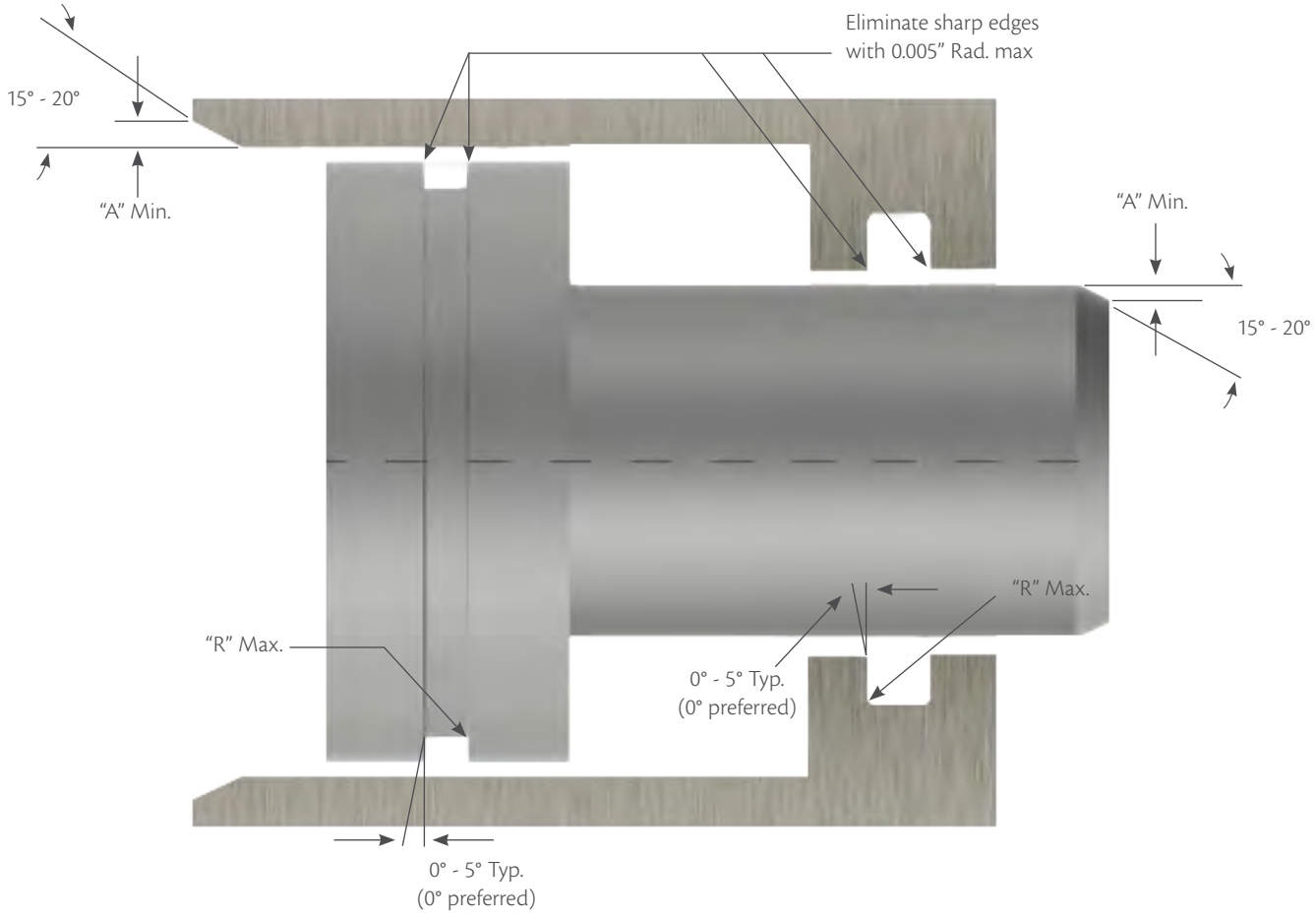
General Hardware Guidelines

Installation Chamfer, Gland Radius, and Taper		
Seal C/S	A Dimension	R Dimension
1/16	0.035	0.003
3/32	0.050	0.015
1/8	0.050	0.015
5/32	0.070	0.015
3/16	0.080	0.015
7/32	0.080	0.015
1/4	0.080	0.015
9/32	0.085	0.015
5/16	0.085	0.015
11/32	0.085	0.015
3/8	0.090	0.015
13/32	0.095	0.015
7/16	0.105	0.030
15/32	0.110	0.030
1/2	0.120	0.030
17/32	0.125	0.030

Installation Chamfer, Gland Radius, and Taper		
Seal C/S	A Dimension	R Dimension
9/16	0.130	0.030
19/32	0.135	0.040
5/8	0.145	0.040
21/32	0.150	0.040
11/16	0.160	0.040
23/32	0.165	0.040
3/4	0.170	0.040
25/32	0.180	0.060
13/16	0.185	0.060
27/32	0.190	0.060
7/8	0.200	0.080
29/32	0.205	0.080
15/16	0.215	0.080
32/32	0.220	0.080
1	0.225	0.080



Surface Finish Guidelines

Ra Guidelines				
Application	Thermoplastic and Rubber Seals		PTFE Seals	
	Dynamic Surfaces	Static Surfaces	Dynamic Surfaces	Static Surfaces
Cryogenics	-	-	4 µin (0.1 µm) Maximum	8 µin (0.2 µm) Maximum
Helium Gas Hydrogen Gas Freon	3 to 10 µin (0.08 to 0.25 µm)	12 µin (0.3 µm) Maximum	6 µin (0.15 µm) Maximum	12 µin (0.3 µm) Maximum
Air Nitrogen Gas Argon Natural Gas Fuel (Aircraft and Automotive)	3 to 12 µin (0.08 to 0.3 µm)	16 µin (0.4 µm) Maximum	8 µin (0.2 µm) Maximum	16 µin (0.4 µm) Maximum
Water Hydraulic Oil Crude Oil Sealants	3 to 12 µin (0.08 to 0.3 µm)	32 µin (0.8 µm) Maximum	12 µin (0.3 µm) Maximum	32 µin (0.8 µm) Maximum