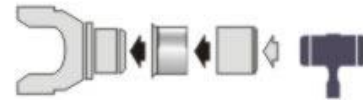


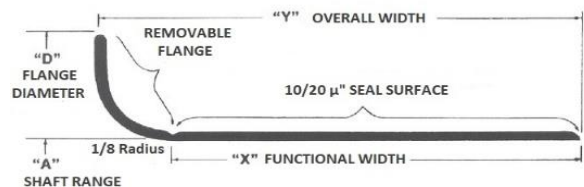


INCH



Part #	Nominal Shaft Dia	"A" Shaft Diameter Range		"X" Functional width +/- .031"	"Y" Overall Width +/- .031"	"D" Flange Dia +/- .062"	Tool length
		Min Dia	Max Dia				
99062	0.625	0.623	0.627	0.312	0.406	0.750	1.500
99058	0.630	0.626	0.630	0.312	0.437	0.750	1.500
99076	0.750	0.748	0.752	0.312	0.437	0.938	1.500
99078	0.787	0.785	0.789	0.315	0.433	0.930	1.312
99085	0.866	0.861	0.866	0.315	0.472	1.155	1.500
99087	0.875	0.873	0.877	0.312	0.437	1.093	1.500
99098	0.984	0.982	0.986	0.315	0.433	1.300	1.805
99100	1.000	0.998	1.002	0.312	0.437	1.220	1.805
99101	1.000	0.998	1.002	0.312	0.437	1.220	1.805
99112	1.125	1.123	1.127	0.312	0.437	1.500	0.875
99116	1.125	1.123	1.127	0.375	0.500	1.500	0.875
99114	1.181	1.179	1.184	0.315	0.433	1.400	0.875
99118	1.188	1.185	1.190	0.312	0.437	1.400	0.875
99125	1.252	1.247	1.253	0.312	0.437	1.500	0.875
99128	1.260	1.257	1.263	0.312	0.437	1.500	0.875
99131	1.312	1.310	1.316	0.500	0.625	1.594	1.000
99138	1.375	1.371	1.377	0.512	0.630	1.637	1.000
99139	1.375	1.375	1.381	0.512	0.630	1.637	1.000
99143	1.438	1.432	1.438	0.562	0.688	1.780	1.200
99144	1.438	1.435	1.441	0.375	0.500	1.780	1.200
99147	1.496	1.490	1.496	0.512	0.669	1.780	1.200
99149	1.500	1.497	1.503	0.562	0.688	1.800	1.200
99150	1.500	1.497	1.503	0.375	0.500	1.800	1.200
99152	1.523	1.520	1.526	0.438	0.563	1.800	1.200
99155	1.552	1.549	1.555	0.438	0.563	1.800	1.190
99156	1.563	1.559	1.565	0.562	0.688	1.800	1.190
99157	1.578	1.572	1.578	0.512	0.630	1.800	1.190
99162	1.625	1.622	1.628	0.562	0.688	1.875	1.190
99169	1.650	1.647	1.654	0.562	0.688	1.875	1.190
99168	1.688	1.684	1.690	0.562	0.688	1.906	1.090
99171	1.719	1.715	1.721	0.562	0.688	2.062	1.090
99170	1.739	1.736	1.742	0.375	0.500	2.062	1.090
99172	1.750	1.747	1.753	0.375	0.500	2.062	1.090
99174	1.750	1.747	1.753	0.562	0.688	2.062	1.090
99175	1.750	1.747	1.753	0.750	0.875	2.062	1.090
99176	1.766	1.761	1.767	0.562	0.688	2.062	1.090
99177	1.772	1.769	1.775	0.550	0.670	2.062	1.090

Part #	Nominal Shaft Dia	"A" Shaft Diameter Range		"X" Functional width +/- .031"	"Y" Overall Width +/- .031"	"D" Flange Dia +/- .062"	Tool length
		Min Dia	Max Dia				
99181	1.813	1.809	1.815	0.562	0.688	2.090	1.250
99187	1.875	1.872	1.878	0.562	0.688	2.203	1.250
99189	1.891	1.887	1.893	0.562	0.688	2.203	1.250
99192	1.912	1.909	1.915	0.375	0.500	2.220	1.230
99193	1.938	1.934	1.940	0.562	0.688	2.220	1.230
99196	1.969	1.965	1.971	0.551	0.668	2.224	1.230
99199	2.000	1.997	2.003	0.562	0.688	2.406	1.230
99200	2.000	1.997	2.003	0.875	1.000	2.406	1.230
99205	2.063	2.057	2.063	0.781	0.938	2.469	1.420
99210	2.125	2.123	2.128	0.500	0.750	2.442	1.420
99212	2.125	2.124	2.130	0.780	0.937	2.422	1.420
99215	2.165	2.162	2.168	0.787	0.905	2.441	1.295
99218	2.188	2.186	2.192	0.780	0.938	2.500	1.295
99220	2.205	2.198	2.205	0.500	0.625	2.500	1.295
99225	2.250	2.249	2.255	0.780	0.938	2.530	1.295
99227	2.250	2.249	2.255	0.312	0.438	2.530	1.295
99235	2.362	2.359	2.365	0.787	0.905	2.785	1.610
99241	2.362	2.359	2.365	0.370	0.450	2.785	1.610
99237	2.375	2.374	2.380	0.780	0.938	2.750	1.610
99240	2.375	2.374	2.380	0.526	0.638	2.750	1.610
99238	2.375	2.372	2.378	0.593	0.750	2.750	1.610
99242	2.437	2.435	2.441	0.500	0.625	2.828	1.610
99243	2.438	2.434	2.440	0.780	0.938	2.828	1.610
99244	2.441	2.434	2.441	0.500	0.625	2.828	1.610
99249	2.492	2.489	2.495	0.781	0.938	2.820	1.610
99250	2.500	2.500	2.506	0.780	0.938	2.820	1.610
99248	2.500	2.500	2.506	0.500	0.656	2.820	1.610
99253	2.500	2.497	2.503	0.555	0.656	2.820	1.610
99251	2.516	2.510	2.516	0.780	0.938	2.820	1.610
99254	2.559	2.556	2.562	0.787	0.938	2.850	1.610
99256	2.563	2.560	2.566	0.780	0.938	2.850	1.610
99255	2.563	2.560	2.566	1.000	1.100	2.850	1.610



HARD CHROME SERIES



Extreme Wear Resistance

Low Friction

Superior Corrosion Resistance

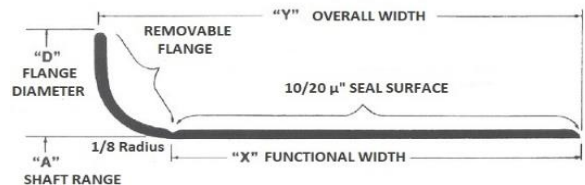


INCH



Part #	Nominal Shaft Dia	"A" Shaft Diameter Range		"X" Functional width +/- .031"	"Y" Overall Width +/- .031"	"D" Flange Dia +/- .062"	Tool length
		Min Dia	Max Dia				
99259	2.598	2.595	2.601	0.780	0.938	2.990	1.610
99261	2.621	2.618	2.624	0.780	0.938	2.990	1.610
99260	2.625	6.622	2.628	0.500	0.625	2.990	1.610
99262	2.625	2.625	2.631	0.780	0.938	3.047	1.610
99264	2.625	2.621	2.627	0.780	0.906	3.047	1.610
99272	2.750	2.750	2.756	0.406	0.563	3.125	1.437
99274	2.750	2.745	2.751	0.780	0.938	3.125	1.437
99275	2.750	2.750	2.756	0.780	0.938	3.125	1.437
99276	2.756	2.753	2.759	0.787	0.945	3.125	1.437
99284	2.835	2.828	2.835	0.752	0.874	3.225	1.375
99282	2.838	2.838	2.844	0.500	0.656	3.225	1.375
99287	2.875	2.873	2.879	0.780	0.938	3.220	1.375
99290	2.938	2.937	2.943	0.500	0.641	3.344	1.530
99293	2.938	2.937	2.943	0.780	0.937	3.344	1.530
99289	2.953	2.950	2.956	0.594	0.688	3.305	1.530
99294	2.953	2.950	2.956	0.866	1.024	3.305	1.530
99298	2.993	2.990	2.996	0.562	0.688	3.360	1.530
99299	2.993	2.990	2.996	0.812	1.000	3.360	1.530
99300	3.000	3.000	3.006	0.812	1.000	3.235	1.530
99303	3.000	3.000	3.006	0.625	0.812	3.345	1.530
99307	3.125	3.124	3.132	0.551	0.709	3.531	2.063
99311	3.125	3.120	3.126	0.688	0.813	3.531	2.063
99312	3.125	3.120	3.126	0.813	0.970	3.531	2.063
99313	3.146	3.142	3.150	0.750	0.886	3.531	2.063
99315	3.150	3.146	3.153	0.813	0.970	3.531	2.063
99317	3.150	3.146	3.153	0.433	0.591	3.531	2.063
99322	3.250	3.247	3.253	0.812	1.000	3.575	1.578
99325	3.250	3.250	3.256	0.812	1.000	3.575	1.578
99324	3.250	3.250	3.256	0.595	0.720	3.575	1.578
99332	3.342	3.337	3.347	0.669	0.827	3.688	1.594
99333	3.342	3.337	3.347	0.827	0.984	3.688	1.594
99337	3.375	3.373	3.379	0.812	1.000	3.695	1.594
99346	3.500	3.497	3.503	0.625	0.813	3.835	1.594
99347	3.500	3.500	3.506	0.312	0.500	3.835	1.594
99350	3.500	3.500	3.506	0.812	1.000	3.835	1.594
99349	3.504	3.501	3.507	0.625	0.812	3.835	1.594
99354	3.543	3.540	3.546	0.906	1.102	3.900	1.875

Part #	Nominal Shaft Dia	"A" Shaft Diameter Range		"X" Functional width +/- .031"	"Y" Overall Width +/- .031"	"D" Flange Dia +/- .062"	Tool length
		Min Dia	Max Dia				
99351	3.543	3.540	3.546	0.710	0.926	3.900	1.875
99353	3.543	3.540	3.546	0.526	0.667	3.900	1.875
99356	3.563	3.560	3.566	0.812	0.926	3.900	1.875
99360	3.621	3.618	3.624	0.812	1.000	4.030	1.875
99362	3.625	3.622	3.629	0.812	1.000	4.030	1.875
99363	3.626	3.623	3.629	0.500	0.625	4.030	1.875
99369	3.740	3.737	3.743	0.827	0.945	4.030	1.875
99374	3.740	3.740	3.746	0.344	0.500	4.030	1.875
99364	3.740	3.740	3.746	0.469	0.594	4.030	1.875
99367	3.750	3.750	3.756	0.344	0.500	4.025	1.875
99372	3.750	3.750	3.756	0.688	0.875	4.030	1.875
99376	3.750	3.746	3.752	0.563	0.688	4.030	1.875
99387	3.875	3.873	3.875	0.813	1.000	4.185	2.187
99393	3.937	3.935	3.941	0.813	1.000	4.312	2.187
99395	4.000	3.998	4.006	0.600	0.725	4.375	2.187
99399	4.000	3.998	4.006	0.812	1.000	4.375	2.187
99400	4.000	3.998	4.006	0.650	0.775	4.375	2.187
99401	4.000	3.998	4.006	0.500	0.625	4.375	2.187
99424	4.250	4.248	4.256	0.812	1.000	4.610	1.750
99437	4.375	4.370	4.378	0.812	1.000	4.750	1.750
99450	4.500	4.496	4.504	0.813	0.970	4.900	1.500
99452	4.528	4.523	4.531	0.813	0.970	4.900	1.500
99492	4.921	4.917	4.925	1.024	1.260	5.400	1.733
99498	5.000	4.998	5.006	0.688	0.875	5.390	1.733
99499	5.000	4.998	5.006	0.812	1.000	5.390	1.733
99525	5.250	5.246	5.254	0.812	1.000	5.560	1.484
99549	5.500	5.498	5.506	0.812	1.000	5.938	1.484
99552	5.512	5.508	5.516	0.807	1.000	5.938	1.484
99599	6.000	5.995	6.003	1.000	1.250	6.375	2.032
99650	6.500	6.495	6.505	1.000	1.250	7.000	2.000
99700	7.000	6.995	7.005	1.000	1.250	7.475	2.062



HARD CHROME SERIES



Extreme Wear Resistance

Low Friction

Superior Corrosion Resistance