

**CORE COMPETENCY
RAW MATERIAL BARSTOCK**

Product	Grade	ASTM Specification	Size Range		OD Tolerance	Comments
			Min. Dia.	Max Dia.		
Cobalt Chrome	CCM	F1537 Alloy 1	0.1250"	0.6250"	+/- 0.0005"	Precision Ground: +/- 0.0005" Standard; +/- 0.0002" available on request
Cobalt Chrome	CCM	F1537 Alloy 1	0.3125"	0.500"	+/- 0.0015"	Centerless Ground
Cobalt Chrome	CCM	F1537 Alloy 1	0.625"	0.875"	+/- 0.002"	Centerless Ground
Cobalt Chrome	CCM	F1537 Alloy 1	1.000"	1.375"	+/- 0.0025"	Centerless Ground
Cobalt Chrome	CCM	F1537 Alloy 1	1.500"	2.500"	+/- 0.003"	Centerless Ground
Cobalt Chrome	CCM Plus	F1537 Alloy 2	0.500"	2.250"	+/- 0.005"	Centerless Ground
Stainless	17-4PH	F899/A564	0.2500"	0.8750"	+/- 0.0005"	Precision Ground: +/- 0.0005" Standard; +/- 0.0002" available on request
Stainless	17-4PH	F899/A564	1.0000"	1.2500"	+/- 0.0006"	Precision Ground
Stainless	17-4PH	F899/A564	1.500"	2.500"	+/- 0.003"	Centerless Ground
Stainless	17-4PH - H900	F899/A564	0.1875"	0.8750"	+/- 0.0005"	Carpenter Project 70+, Age Hardened to H900 & Precision Ground
Stainless	17-4PH - H900	F899/A564	1.0000"	1.2500"	+/- 0.0006"	Carpenter Project 70+, Age Hardened to H900 & Precision Ground
Stainless	Custom 455	F899/A564	0.1250"	0.8750"	+/- 0.0005"	Precision Ground
Stainless	Custom 455	F899/A564	1.0000"	1.2500"	+/- 0.0006"	Precision Ground
Stainless	Custom 455	F899/A564	1.375"	1.375"	+/- 0.0025"	Centerless Ground
Stainless	Custom 455	F899/A564	1.500"	2.500"	+/- 0.003"	Centerless Ground
Stainless	Custom 465	F899/A564	0.1875"	0.8750"	+/- 0.0005"	Precision Ground
Stainless	Custom 465	F899/A564	1.0000"	1.2500"	+/- 0.0006"	Precision Ground
Stainless	Custom 465	F899/A564	1.500"	2.500"	+/- 0.003"	Centerless Ground
Stainless	Type 316LS	F138	0.1250"	0.7500"	+/- 0.0005"	Precision Ground
Stainless	Type 316LS	F138	1.0000"	1.2500"	+/- 0.0006"	Precision Ground
Titanium	Ti 6Al-4V ELI GR23	F136	0.1250"	0.5000"	+/- 0.0002"	Precision Ground - May be dual certified to ASTM F1472
Titanium	Ti 6Al-4V ELI GR23	F136	0.1250"	0.8750"	+/- 0.0005"	Precision Ground - May be dual certified to ASTM F1472
Titanium	Ti 6Al-4V ELI GR23	F136	0.625"	0.875"	+/- 0.001"	Centerless Ground
Titanium	Ti 6Al-4V ELI GR23	F136	1.000"	1.125"	+/- 0.002"	Centerless Ground
Titanium	Ti 6Al-4V ELI GR23	F136	1.250"	1.750"	+/- 0.0025"	Centerless Ground
Titanium	Ti 6Al-4V ELI GR23	F136	2.000"	4.000"	+/- 0.003"	Centerless Ground