



CNC MACHINING MATERIALS

CNC MILLING AND TURNING – ProtoEdge offers the materials listed below. However, since we make components out of a wide range of metal and plastic materials we are not limited to materials shown for prototypes and short-run production applications. So if you require a material that is not the list, please let us know and we will review your request. Actual capabilities are dependent upon manufacturing, equipment, materials, and part requirements. For unique requirements to ensure specs are met within the limitation of our technologies, capabilities and processes, a 2D drawing print (s), tolerances, and / or other requirements are required in writing when quotation is requested. We are fully equipped to fabricate components for companies and can quote from PDF 2D drawing (s), STEP, IGES, and SLDPRRT model formats.

Technology:	Advanced Subtractive Manufacturing CNC Machining
Material type:	Metal and Plastic
Aluminum 6061 – T651:	Soft Metal
Aluminum 7075 – T651:	Soft Metal
Brass:	Soft Metal
ABS – Black (ABS):	Rigid Plastic
ABS – Natural (ABS):	Rigid Plastic
Delrin – Black:	Rigid Plastic
Nylon 6 – Black:	Rigid Plastic
Nylon 6/6 – Black or Natural:	Rigid Plastic
Nylon 6/6 – 30% or 33% Glass Fill – Natural:	Rigid Plastic
PC – Clear (polycarbonate):	Rigid Plastic
PEEK – Natural (PEEK):	Rigid Plastic
Stainless Steel – 304/304L:	Hard Metal
Stainless Steel – 316/316L:	Hard Metal



Steel Alloy 4140:	Hard Metal
Steel Mild Low Carbon CR 1018:	Hard Metal
Tolerance:	± 0.005 in. ~ accuracy may vary depending on material and wall thicknesses.
Applications:	Form, Fit, and Functional Testing of Assembly Components, Sleeves, Bushings, Housings, Pins, Turned Metal-Parts, Valve Bodies Applications.

Disclaimer: The data above is general information and may vary from machine to machine or supplier to supplier. All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. These dimensional tolerances, buyer assumes sole responsibility for the design, and must test and verify the material of the product for each specific application applies to their internal requirements.