

# Our Line Card | Tufts Grinding

---

 [tuftsgrinding.com/line-card/](https://tuftsgrinding.com/line-card/)



We are dedicated to the production of quality products which meet or exceed expectations and achieve the highest level of customer satisfaction.



### Products

- Turned & Polished
- Turned, Ground & Polished
- Drawn, Ground & Polished
- Drawn, Turned, Ground & Polished

### Carbon and Alloy Products

- 1018
- 1045\*
- 10V45 – 75K Yield Micro Alloy\*
- 1045/50 ASTM A311 B\*
- 1141
- 1144 A311 B\*
- 4140/4142 Quenched & Tempered\*
- 8620
- ASTM A 193 B7\*
- ASTM A 434 BC\*

### Stainless Products

- 303\*
- 304/304 L
- 316/316 L
- 410/416/420
- 431
- 17-4PH H-1150

\*Indicates Stocking Grades

Material can be provided in any AISI grade.  
Subject to mill minimums.  
Grades Not Referenced – Please Inquire.

### Standard Diameter Tolerances

Size Range	Cold Drawn or Turned & Polished	Turned, Ground, & Polished
Up to thru 1.500"	.004	.001
Over 1.500" to 2.500"	.005	.0015
Over 2.500" to 3"	.006	.002
Over 3" to 4"	.006	.003
Over 4" to 6"	.007	.004

- These tolerances are for carbon bars .25% to .55 carbon range
- All tolerances are plus .000 minus the number shown on the chart
- Tolerances for 1018 T&P bars are .001 less than T&P tolerances shown
- 1/2 Standard Tolerance is available on most items

### Typical Surface Finishes

- Rough Turned: 63 to 250 Ra
- Cold Drawn Bar: 32 to 63 (63 max) Ra
- Turned and Polished (T&P): 32 Ra max
- Drawn, Ground and Polished: 20 Ra max
- Turned, Ground and Polished (TG&P) or Drawn: 20 Ra max

### Straightness

TG&P bars at point of production, .006/ft T.I.R. Max as checked on rollers over a dial indicator.

### Capabilities

- 1/2" to 6" Rounds
- Lengths - 8 ft to 40 ft
- Chamfering
- De-Magnetizing
- Bundle Sawcutting up to 48'

### Packaging

- Full Length Tubes
- Collars
- Paper Wrap
- Wooden Boxes
- Bundles

79 East 34th Street | South Chicago Heights, IL 60411 | Phone: 708.755.8900 | FAX: 708.755.8904  
www.tuftsgrinding.com | Email: sales@tuftsgrinding.com