

***For Orders and Contracts Prior to March 1, 2013 only!
Please refer to the Carpenter Website for current values!***

**Latrobe Specialty Metals
High Speed, Cold Work & Hot Work Steels
Raw Material Surcharges (\$/lb) for October 2019**

| High Speed Steel | | | Cold Work Die Steels | | | Hot Work Die Steels | | |
|------------------|-------------|--------|----------------------|-----------|--------|---------------------|------------|--------|
| M1 | Tatmo | \$2.05 | A2 | Select-B | \$0.52 | A8+ | MGR-MQ | \$0.82 |
| M2 | Double 6 | \$2.87 | A6 | Lesco A6 | \$0.40 | H10 | Dart | \$0.68 |
| M2 | Double 6-XL | \$2.87 | A7 | BR-3 | \$2.26 | H11 | Dycast | \$0.64 |
| M2 | HS29 | \$2.77 | A7 | Brickmold | \$2.30 | H11+ | Dycast-VAR | \$0.64 |
| M2 | HS29-XL | \$2.77 | A8 | MGR | \$0.82 | H12 | LPD | \$0.84 |
| M3I | Corsair | \$2.94 | A9 | Mazeman | \$1.02 | H13 | VDC | \$0.87 |
| M3II | Crusader | \$3.18 | A10 | Graph-Air | \$0.59 | H13+ | VDC-MQ | \$0.87 |
| M4 | Stark | \$3.32 | A18 | Whitebear | \$1.38 | H13++ | VDC-RF | \$0.83 |
| M7 | Tatmo-VN | \$2.45 | D2 | Olympic | \$0.80 | H13-FM | Viscount | \$0.87 |
| M11 | Vancomo | \$2.18 | D3 | GSN | \$0.44 | H14 | Lumdie | \$1.05 |
| M33 | Kelvan | \$3.15 | D4 | GSN+Mo | \$0.64 | H19 | Lesco19 | \$2.42 |
| M35 | HS 105 | \$3.29 | D5 | Riptide | \$0.74 | H21 | CLW | \$2.09 |
| M42 | Dynamax | \$3.09 | D7 | BR-4 | \$2.11 | H26 | H26 Mod | \$4.02 |
| M50 | CM-50 | \$1.24 | L6 | Montana | \$1.15 | H43 | Lesco 43 | \$2.20 |
| M51 | M51 | \$4.77 | O1 | Badger | \$0.34 | P20 | Bruno | \$0.31 |
| M52 | CM52 | \$2.31 | O6 | Graph-Mo | \$0.29 | P21 | Cascade | \$0.65 |
| T15 | Dynavan | \$4.98 | O7 | Lesco O7 | \$0.52 | S7+ | S7-MQ | \$0.46 |
| | Abscido | \$2.07 | S1 | XL-Chisel | \$0.73 | 420SS | Saxman6R | \$0.48 |
| | Supersaw | \$2.31 | S2 | Trident | \$0.40 | 420-FM | Saxman-FM | \$0.48 |
| | | | S4 | Damascus | \$0.24 | | CAT H10 | \$0.73 |
| | | | S5 | Lanark | \$0.52 | | Chromo-N | \$0.89 |
| | | | S7 | Bearcat | \$0.46 | | HC-H13 | \$0.94 |
| | | | 4140H | Brake Die | \$0.28 | | HW-108 | \$1.29 |
| | | | | Chipper | \$0.66 | | LSC2367 | \$0.93 |
| | | | | Koncor | \$2.02 | | Magnadie | \$0.62 |
| | | | | Lescowear | \$1.69 | | Mandrel | \$0.51 |
| | | | | Staminal | \$0.57 | | PS-55 | \$0.48 |
| | | | | Typlex | \$0.76 | | | |
| | | | | Vertex | \$0.77 | | | |

Raw Material Surcharges have been historically calculated based upon a 3 month rolling average for each of the raw material components. However, due to the volatility of raw material costs, Latrobe Specialty Metals reserves the right to modify the surcharge calculation based upon current market conditions.

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**Latrobe Specialty Metals
Aerospace Alloys
Raw Material Surcharges (\$/lb) for October 2019**

| Structural Alloys | | Corrosion (Remelted) | | Bearing Steels | |
|-------------------|--------|---------------------------|--------|-------------------------|---------|
| 3311 | \$0.55 | 15-5PH | \$0.95 | 440C | \$0.47 |
| 4130 , 4140, 4150 | \$0.29 | 17-4PH | \$0.91 | 440C AM | \$0.47 |
| 4319, 4320, 4343 | \$0.46 | 316L | \$1.78 | 440N-DUR | \$0.39 |
| 4340 VV | \$0.48 | 403 SS | \$0.40 | 52100 | \$0.27 |
| 4340 | \$0.45 | 422 SS | \$0.68 | 52100T2 | \$0.27 |
| 4340L | \$0.50 | Jethete | \$1.44 | Aero-A6 | \$0.39 |
| 4340L+ | \$0.54 | L410Cb | \$0.46 | BG-42 | \$1.70 |
| 4350, 4619, 4620 | \$0.45 | PH13-8Mo | \$1.39 | CBS 223 | \$0.84 |
| 6150 | \$0.36 | QS53 | \$2.61 | CBS 600 | \$0.52 |
| 8620 | \$0.33 | XM-27 | \$0.66 | CBS50Nil | \$1.92 |
| 9310 VV | \$0.58 | | | CSS-42L | \$3.33 |
| 9310, 9315 | \$0.55 | | | Dynaflex | \$0.72 |
| 16NCD13 | \$0.57 | Air Melt Stainless | | L-6490 | \$1.37 |
| 300M | \$0.50 | | | Lesco 53 | \$1.11 |
| 35NCD16 | \$0.60 | 303 | \$1.23 | M-50 | \$1.55 |
| 4330+V, 4335+V | \$0.52 | 304 | \$1.21 | QC61 | \$3.79 |
| A-286 | \$2.68 | 304HN | \$1.14 | QC64 | \$3.56 |
| AF1410 | \$3.10 | 309 | \$2.22 | | |
| D6AC | \$0.50 | 310 | \$2.22 | High Temperature | |
| GNB100 | \$0.83 | 316 | \$1.78 | MP159 Bar | \$14.24 |
| HP-9-4-20 | \$1.72 | 321 | \$1.30 | | |
| HP-9-4-30 | \$1.55 | 347 | \$1.72 | MP35N Bar | \$16.18 |
| HTC | \$0.32 | 403 | \$0.40 | MP35N Billet | \$12.94 |
| HY180 | \$2.37 | 405 | \$0.39 | MP35N Coil | \$16.18 |
| HYTUF | \$0.47 | 410 | \$0.36 | MP35N Tubing | \$32.36 |
| L-6305 | \$0.45 | 416 | \$0.45 | | |
| LSC100 | \$3.22 | 418 | \$0.45 | Aerex | \$19.71 |
| MarCast | \$3.52 | 420 | \$0.36 | | |
| Marvac 250 | \$3.63 | 422 | \$0.68 | LS-A286 | \$2.68 |
| Marvac 300 | \$3.91 | 431 | \$0.65 | LSS-718 | \$5.77 |
| Marvac 350 | \$4.41 | 440 | \$0.50 | LSS-625 | \$7.46 |
| Nitralloy 135 | \$0.30 | 17-4PH | \$0.91 | LSS-HX | \$0.00 |
| Nitralloy N | \$0.59 | TLS33SS | \$0.65 | WELD6 | \$7.46 |
| QM54 | \$2.70 | TLS40SS | \$0.97 | | |
| UT-18 | \$0.51 | TLS50SS | \$1.88 | | |
| UT-19 | \$0.65 | TLS60SS | \$1.20 | | |

Raw Material Surcharges have been historically calculated based upon a 3 month rolling average for each of the raw material components. However, due to the volatility of raw material costs, Latrobe Specialty Metals reserves the right to modify the surcharge calculation based upon current market conditions.

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**Latrobe Specialty Metals
Conversion Sales
Raw Material Surcharges (\$/lb) for October 2019**

Conversion

| | |
|--------------------|--------|
| Non-Ti Air Cool | \$0.01 |
| Non-Ti Fce Cool | \$0.01 |
| General Ti | \$0.01 |
| Special Processing | \$0.01 |
| Machining Only | \$0.00 |
| Remelt Only | \$0.00 |

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