

## Structural Metals

Material	Composition	Modulus, GPa	Density, g/cm <sup>3</sup>	Yield stress, MPa	\$/lb	Applications
1020 steel	0.2 wt % C	205	7.8	200	0.23	Pipe, girders
4340 steel	1.7Ni,0.7Cr, 0.3Mo	205	7.8	895- 1570	2.00	Aircraft tubing
Al 7075-T6	1.5Cu-2.5Mg- 5.5Zn	70	2.7	510	1.80	Aircraft structure
$\alpha$ - $\beta$ Ti alloy	Ti-6Al-4V	110	4.5	924	6.80	Aircraft tubing
Cartridge Brass	70Cu-30Zn	130	8.0	76	1.00	Ammunition components