

SHEAR STRENGTH OF COMMON FERROUS MATERIALS

0.10 carbon steel annealed	35,000	(241.3)
0.20 carbon steel annealed	42,000	(289.5)
0.30 carbon steel annealed	52,000	(358.5)
0.40 carbon steel annealed	80,000	(551.5)
1.00 carbon steel annealed	110,000	(758.3)

SHEAR STRENGTH OF COMMON NONFERROUS MATERIALS

Aluminum 1100-O	9,000	(62)
Aluminum 6061-T6, -T651	30,000	(206.8)
Brass, yellow annealed	33,000	(227.5)
Bronze, annealed commercial	28,000	(193)
Copper, annealed	22,000	(151.7)

SHEAR STRENGTH OF COMMON NONMETALLIC MATERIALS

Cellulose acetate	10,000	(69)
Cloth	8,000	(55.2)
Fiber, hard	18,000	(124.2)
Hard rubber	20,000	(138)
Leather, tanned	7,000	(48.3)
Leather, rawhide	13,000	(89.7)
Mica	10,000	(69)
Paper	6,400	(44.2)

Shear strength, PSI (MPa) of various materials.