



SHEAR STRENGTHS OF VARIOUS METALS

MATERIAL	SHEAR (PSI)	MATERIAL	SHEAR (PSI)
Aluminum Sheet	-	Steel	-
Soft	15,000	.10 Carbon (Soft)	45,000
½ Hard	19,000	.25 Carbon (Mild)	50,000
Full Hard	25,000	.50 Carbon	70,000
Brass Sheet	-	.75 Carbon	80,000
Soft	30,000	1.00 Carbon	85,000
½ Hard	35,000	1.20 Carbon	94,000
Full Hard	40,000	1.20 Carbon (Tempered)	190,000
Copper	-	Silicon	65,000
Rolled	28,000	Stainless (18-8)	70,000
Monel Metal	-	Nickel (3-1/4%)	82,000
Rolled	65,000	Nickel (5%)	85,000