

UMRECHNUNG BRITISCHE USA MASSEINHEITEN IN METRISCHE

Kraft

1 gr. weight (wt.)	= 0,0648 p	1 p	= 15,4 gr.wt.
1 pound weight(lbf)	= 0,4536 kp	1 kp	= 2,204 lbf
1 poundal (pdl.)	= 0,0141 kp	1 kp	= 70,937 pdl
1 ton weight short	= 0,907185 Mp	1 Mp	= 1,1023 ton wt.sht
1 ton weight long	= 1,016 Mp	1 MP	= 0,984 ton wt.long

Druck

1 lbf./ft. ²	= 0,00049 kp/cm ²	1 kp/cm ²	= 2048 lb./ft. ²
1 lbf./in. ²	= 0,070307 kp/cm ²	1 kp/cm ²	= 14,223 lbf./in. ²
1 in. of water	= 0,002539 kp/cm ²	1 kp/cm ²	= 394 in. of water
1 in. of mercury	= 0,03453 kp/cm ²	1 kp/cm ²	= 28,96 in. of merc.
1 kips = 1000 psi	= 70,3 kp/cm ²		

Arbeit / Leistung

1 ft.-lbf.	= 0,1383 kpm	1 kpm	= 7,233 ft.-lb.
1 B.t.u.	= 107,58 kpm	1 kpm	= 0,009295 B.t.u.
1 H.P. = 0,746 kW	= 76,04 kpm/sec	1 PS = 75 kpm/sec	= 0,9863 HP

Wärmetechnische Einheiten

1 B.t.u.	= 0,252 kcal	1 kcal	= 3,968 B.t.u.
1 B.t.u./lbmass	= 0,556 kcal/kg	1 kcal/kg	= 1,80 B.t.u./lb-m.
1 B.t.u./in.h.deg F	= 17,9 kcal/m h grd	1 kcal/m h grd	= 0,056 Btu/in.h.dF
1 B.t.u./in. ² h deg F	= 703,08 kcal/m ² h grd	1 kcal/m ² h grd	= 0,00142 Btu/in. ² h deg F