

Technische Daten



Umrechnung US-amerikanischer und britischer Masse

Länge	Masse	Druck
1 mil = 0,0254 mm	1 grain = 64,8 mg	1 psi (lb/sq.) = 68,95 mbar
1 in (inch) = 25,4 mm	1 dram = 1,77 g	1 lb/sq. ft. = 0,478 mbar
1 ft (foot) = 0,3048 m	1 oz (ounce) = 28,35 g	1 pdl/sq. ft. = 1,489 N/m
1 yd (yard) = 0,9144 m	1 lb (pound) = 0,4536 Kp	1 in Hg = 33,86 mbar
1 ch (chain) = 20,1 m	1 stone = 6,35 Kp	1ftH ² O = 29,89 mbar
1 mile (Landmeile) = 1,609 km	1 qu (quarter) = 12,7 Kp	1 in H ² O = 2,491 mbar
1 mile (Seemeile) = 1,852 km	1 US-cwt (hundred-weight) = 45,36 Kp	1 N/mm ² = 145 psi
1 mm = 0,039370 inches	1 US ton (short ton) = 0,907 t	1 kp/mm ² = 1422 psi
1 m = 39,370079 inches	1 brit. ton (long ton) = 1,016 t	1at = 736 Torr
		1 Torr = 1mmHg
		1 bar = 0,1 H Pa
		1Pa = 1 N/m ²
Fläche	Kraft	Elektrische Einheiten
1 CM (circle mil) = 0,507 • 10 ⁻³ mm ²	1lb = 4,448 N	1 ohm/1000 yd = 1,0936 Ω/km
1 MCM = 0,5067 mm ²	1 brit. ton = 9954 N	1 ohm/1000 ft = 3,28 Ω/km
1 sq. in (square inch) = 645,16 mm ²	1 pdl (Poundal) = 0,1383 N	1 μF/mile = 0,62 μF/km
1 sq. ft. (square foot) = 0,0929 m ²	1kp = 9,81 N	1 megohm/mile = 1,61 MΩ/km
1 sq. yd (square yard) = 0,836 m ²	1N = 1,02 kp	1 μf/foot = 3,28 pF/m
1 acre = 4047 m ²		1 decibel/mile = 71,5 mN/m
1 sq. mile (square mile) = 2,59 km ²		
Raum	Geschwindigkeit	Arbeit
1 cu. in. (cubic inch) = 16,39 cm ³	1 mile/h = 1,609 km/h	1 hp • h = 1,0139 PS • h
1 cu. ft. (cubic foot) = 0,0283 m ³	1 Knoten = 1,852 km/h	1 hp • h = 2,684 • 10 ⁶ Joule
1 cu. yd. (cubic yard) = 0,7646 m ³	1 ft/s = 0,305 m/s	1 hp • h = 746 W • h
1 gal. (US gallon) = 3,785 l	1 ft/min = 5,08 • 10 ⁻³ m/s	1 BTU (brit. therm. unit) = 1055 Joule
1 gal. (brit gallon) = 4,546 l		
1 US pint = 0,473 l		
1 US quart = 0,946 l		
1 US barrel = 158,8 l		
Temperatur	Energiedosis	Leistung
F (Fahrenheit) = (1,8 • C) + 32°	1 Gray = 1 J/kg	1PS = 0,736 kW
C (Celsius) = 0,5556 • (F-32°)	1 rad = 10 ⁻² J/kg = 1 Centi Gy	1kW = 1,36 PS
	1 rad = 0,01 Gy	1hp = 0,7457 kW
	1 Centi = 100 Joule	1kW = 1,31 hp
	1 rad = cJ/kg = 0,01 Gy	
	1 Mrad = 1 • 10 ⁶ cJ/kg	
Dichte	Gewicht pro Längeneinheit	
1 lb/cu. ft. = 16,02 kg/m ³	1 lb/mile = 0,282 kg/m	
1 lb/cu. in. = 27,68 t/m ³	1 lb/yard = 0,496 kg/m	
	1 lb/foot = 1,488 kg/m	