

<b>Im angelsächsischen Sprachraum gebräuchliche Einheiten</b>	<b>SI-Einheit bzw. davon abgeleitete Einheit</b>
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**length:**

1 in	0,0254 m	25,4 mm
1 ft	0,3048 m	304,8 mm
1 ya	0,9144 m	914,4 mm
1 mile	1609,3 m	1,6093 km

**surface:**

1 in <sup>2</sup>	0,0006452 m <sup>2</sup>	
1 ft <sup>2</sup>	0,0929030 m <sup>2</sup>	
1 ya <sup>2</sup>	0,8361274 m <sup>2</sup>	
1 acre	0,004047 km <sup>2</sup>	0,4047 ha
1 mile <sup>2</sup>	2,589988 km <sup>2</sup>	258,9988 ha

**volume:**

1 fl. oz. (Imp.)	0,0284131 dm <sup>3</sup>	28,4131 cm <sup>3</sup>
1 fl. oz. (USA)	0,0295737 dm <sup>3</sup>	29,5737 cm <sup>3</sup>
1 in <sup>3</sup>	0,0164 dm <sup>3</sup>	16,4 cm <sup>3</sup>
1 ft <sup>3</sup>	0,0283168 m <sup>3</sup>	28,3168 dm <sup>3</sup>

1yd <sup>3</sup>	0,7645549 m <sup>3</sup>	764,5549 dm <sup>3</sup>
1 UK pt	0,5683 dm <sup>3</sup>	
1 UK gal	4,5461 dm <sup>3</sup>	
1 US gal	3,7854 dm <sup>3</sup>	

fluid ounce: fl. oz.

UK pint: UK pt

UK gallon: UK gal

US gallon: US gal

**mass:**

1 ton	1,0160 t	
1 sh tn	0,9072 t	
1 cwt	0,0508023 t	
1 lb (av)	0,4536 kg	
1 lb (tr)	0,3732 kg	
1 slug	14,5939 kg	
1 oz (av)	28,3495 g	141,748 Kt
1 oz (tr)	31,1035 g	155,517 Kt

ounce: oz

pound: lb

hundredweight: cwt

short ton: sh tn

Handelsgewicht: (av)

Juwelengewicht: (tr)

metrisches Karat: Kt

### pressure:

1 inch of mercury	3386,39 N/m <sup>2</sup> (Pa)	33,8639 hPa	0,0338639 bar	0,00338639 N/mm <sup>2</sup>
1 foot of water	2989,07 N/m <sup>2</sup> (Pa)	29,8907 hPa	0,0298907 bar	0,00298907 N/mm <sup>2</sup>
1 lb/in <sup>2</sup>	6894,74483 N/m <sup>2</sup> (Pa)	68,9474483 hPa	0,06894745 bar	0,00689474 N/mm <sup>2</sup>

pound-force per square inch (psi): lb/in<sup>2</sup>

### force:

1 pdl	0,13826 N	0,00013826 kN
1 lb	4,44822 N	0,00444822 kN
1 tonf	9964 N	9,964 kN

poundal: pdl

pound-force: lb

ton-force: tonf

### power:

1 ft · pdl	0,0421401 J	0,000042140 kJ
1 ft · lb	1,35582 J	0,00135582 kJ
1 Btu	1055,1 J	1,0551 kJ
1 hp h	2,6845 MJ	0,7457 kW h 0,09159808 SKE 0,000091598 t SKE

horsepower hour: hp h

British thermal unit: Btu

foot pound force:  $\text{ft} \cdot \text{lb}$

foot poundal:  $\text{ft} \cdot \text{pdl}$

**output / input:**

1 hp	745,7 W	0,74570 kW
1 Btu/h	0,2931 W	0,0002931 kW
1 $\text{ft} \cdot \text{lb/s}$	1,3558 W	0,0013558 kW

horsepower: hp

British thermal unit per hour: Btu/h

foot pound force per second:  $\text{ft} \cdot \text{lb/s}$