

## Appendix: Conversion factors

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### SI and metric to imperial units

1 J = 1 N m = 0.1020 kgf m  
1 J = 0.7376 ft lbf  
1 g = 0.035,274,0 oz  
1 kg = 2.204,62 lb  
1 kgf = 9.8067 N = 2.2046 lbf  
1 N = 0.101,97 kgf  
1 kN/m<sup>2</sup> = 1 kPa = 0.145,038 lbf/in<sup>2</sup>  
1 Pa = 1 N/m<sup>2</sup>  
1 kPa = 0.295,300 in Hg  
1 kgf/cm<sup>2</sup> = 9.8067 kPa  
1 kgf/cm<sup>2</sup> = 14.223 lbf/in<sup>2</sup>  
1 cm H<sub>2</sub>O = 98.0665 Pa  
1 g/m<sup>2</sup> = 0.029,493,5 oz/yd<sup>2</sup>  
1 mm = 0.039,37 in  
1 cm = 0.393,701 in  
1 m = 1.0936 yd  
1 m<sup>2</sup> = 1.195,99 yd<sup>2</sup>  
1 decitex = 0.9 denier  
1 denier = 1.1111 decitex  
1 turn/m = 0.0254 turns/in  
1 thread/cm = 2.54 threads/in

### Imperial to SI and metric units

1 oz = 28.349 g  
1 lb = 0.453,59 kg  
1 lbf = 4.4482 N  
1 lbf = 0.453,59 kgf  
1 oz/yd<sup>2</sup> = 33.906 g/m<sup>2</sup>  
1 lbf/in<sup>2</sup> = 6895 N/m<sup>2</sup> = 6.895 kPa  
1 lbf/in<sup>2</sup> = 703.07 kgf/m<sup>2</sup>  
1 in = 25.4 mm  
1 ft = 0.3048 m  
1 yd = 0.9144 m  
1 yd<sup>2</sup> = 0.83613 m<sup>2</sup>  
1 in<sup>2</sup> = 6.4516 cm<sup>2</sup>  
1 ft<sup>2</sup> = 929.03 cm<sup>2</sup>  
1 turn/in = 39.37 turns/m  
1 thread/in = 0.3937 threads/cm

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