



STOURFLEX®

J & P Supplies Ltd

Expansion Joints & Pipeline Equipment

Conversion Factors

Length (distance)

| | | | | | | | | |
|-------------|---|-------|---|------------------|---|--------|---|-------------|
| Inches (in) | x | 25.4 | = | Millimetres (mm) | x | 0.0394 | = | Inches (in) |
| Feet (ft) | x | 0.305 | = | Metres (m) | x | 3.281 | = | Feet (ft) |
| Miles | x | 1.609 | = | Kilometres | x | 0.621 | = | Miles |

Volume (capacity)

| | | | | | | | | |
|--|---|--------|---|--|---|-------|---|--|
| Cubic Inches (cu in; in ³) | x | 16.387 | = | Cubic centimetres (cc; cm ³) | x | 0.061 | = | Cubic Inches (cu in; in ³) |
| Imperial Pints (Imp pt) | x | 0.568 | = | Litres (l) | x | 1.76 | = | Imperial Pints (Imp pt) |
| Imperial Quarts (Imp qt) | x | 1.137 | = | Litres (l) | x | 0.88 | = | Imperial Quarts (Imp qt) |
| Imperial Quarts (Imp qt) | x | 1.201 | = | US quarts (US qt) | x | 0.833 | = | Imperial Quarts (Imp qt) |
| US Quarts (US qt) | x | 0.946 | = | Litres (l) | x | 1.057 | = | US Quarts (US qt) |
| Imperial Gallons (Imp gal) | x | 4.546 | = | Litres (l) | x | 0.22 | = | Imperial Gallons (Imp gal) |
| Imperial Gallons (Imp gal) | x | 1.201 | = | US gallons (US gal) | x | 0.833 | = | Imperial Gallons (Imp gal) |
| US Gallons (US gal) | x | 3.785 | = | Litres (l) | x | 0.264 | = | US Gallons (US gal) |

Mass (weight)

| | | | | | | | | |
|-------------|---|-------|---|----------------|---|-------|---|-------------|
| Ounces (oz) | x | 28.35 | = | Grams (g) | x | 0.035 | = | Ounces (oz) |
| Pounds (lb) | x | 0.454 | = | Kilograms (kg) | x | 2.205 | = | Pounds (lb) |

Force

| | | | | | | | | |
|------------------------|---|-------|---|---------------------------|---|-------|---|------------------------|
| Ounces-force (ozf; oz) | x | 0.278 | = | Newtons (N) | x | 3.6 | = | Ounces-force (ozf; oz) |
| Pounds-force (lbf; lb) | x | 4.448 | = | Newtons (N) | x | 0.225 | = | Pounds-force (lbf; lb) |
| Newtons (N) | x | 0.1 | = | Kilograms-force (kgf; kg) | x | 9.81 | = | Newtons (N) |

Pressure

| | | | | | | | | |
|---|---|-------|---|---|---|--------|---|---|
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x | 0.070 | = | Kilograms-force per square centimetre (kgf/cm ² ; kg/cm ²) | x | 14.223 | = | Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x | 0.068 | = | Atmospheres (atm) | x | 14.696 | = | Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x | 0.069 | = | Bars | x | 14.5 | = | Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) | x | 6.895 | = | Kilopascals (kPa) | x | 0.145 | = | Pounds-force per square inch (psi; lbf/in ² ; lb/in ²) |
| Kilopascals (kPa) | x | 0.01 | = | Kilograms-force per square centimetre (kgf/cm ² ; kg/cm ²) | x | 98.1 | = | Kilopascals (kPa) |

Torque (moment of force)

| | | | | | | | | |
|-------------------------------------|---|-------|---|--|---|-------|---|-------------------------------------|
| Pounds-force inches (lbf in; lb in) | x | 1.152 | = | Kilograms-force centimetre (kgf cm; kg cm) | x | 0.868 | = | Pounds-force inches (lbf in; lb in) |
| Pounds-force inches (lbf in; lb in) | x | 0.113 | = | Newton metres (Nm) | x | 8.85 | = | Pounds-force inches (lbf in; lb in) |
| Pounds-force inches (lbf in; lb in) | x | 0.083 | = | Pounds-force feet (lbf ft; lb ft) | x | 12 | = | Pounds-force inches (lbf in; lb in) |
| Pounds-force feet (lbf ft; lb ft) | x | 0.138 | = | Kilograms-force metres (kgf m; kg m) | x | 7.233 | = | Pounds-force feet (lbf ft; lb ft) |
| Pounds-force feet (lbf ft; lb ft) | x | 1.356 | = | Newton metres (Nm) | x | 0.738 | = | Pounds-force feet (lbf ft; lb ft) |
| Newton metres (Nm) | x | 0.102 | = | Kilograms-force metres (kgf m; kg m) | x | 9.804 | = | Newton metres (Nm) |

Power

| | | | | | | | | |
|-----------------|---|-------|---|-----------|---|--------|---|-----------------|
| Horsepower (hp) | x | 745.7 | = | Watts (W) | x | 0.0013 | = | Horsepower (hp) |
|-----------------|---|-------|---|-----------|---|--------|---|-----------------|

Velocity

| | | | | | | | | |
|--------------------------------|---|-------|---|----------------------------------|---|-------|---|--------------------------------|
| Miles per hour (miles/hr; mph) | x | 1.609 | = | Kilometres per hour (km/hr; kph) | x | 0.621 | = | Miles per hour (miles/hr; mph) |
|--------------------------------|---|-------|---|----------------------------------|---|-------|---|--------------------------------|

Fuel consumption*

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|----------------------------------|---|-------|---|-----------------------------|---|-------|---|----------------------------------|
| Miles per gallon, Imperial (mpg) | x | 0.354 | = | Kilometres per litre (km/l) | x | 2.825 | = | Miles per gallon, Imperial (mpg) |
| Miles per gallon, US (mpg) | x | 0.425 | = | Kilometres per litre (km/l) | x | 2.352 | = | Miles per gallon, US (mpg) |

Temperature

| | |
|--------------------------------------|---|
| Degrees Fahrenheit = (°C x 1.8) + 32 | Degrees Celsius (Degrees Centigrade: °C) = (°F - 32) x 0.56 |
|--------------------------------------|---|

*It is common practise to convert from miles per gallon (mpg) to litres /100 kilometres (l/100km), where mpg (Imperial) x l/100km = 282 and mpg (US) x l/100 km = 235