



# 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 <sup>3</sup> )	x	16.387	=	Cubic centimetres (cc; cm <sup>3</sup> )	x	0.061	=	Cubic Inches (cu in; in <sup>3</sup> )
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 <sup>2</sup> ; lb/in <sup>2</sup> )	x	0.070	=	Kilograms-force per square centimetre (kgf/cm <sup>2</sup> ; kg/cm <sup>2</sup> )	x	14.223	=	Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )
Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )	x	0.068	=	Atmospheres (atm)	x	14.696	=	Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )
Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )	x	0.069	=	Bars	x	14.5	=	Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )
Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )	x	6.895	=	Kilopascals (kPa)	x	0.145	=	Pounds-force per square inch (psi; lbf/in <sup>2</sup> ; lb/in <sup>2</sup> )
Kilopascals (kPa)	x	0.01	=	Kilograms-force per square centimetre (kgf/cm <sup>2</sup> ; kg/cm <sup>2</sup> )	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\*

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

03/2009/F5