

# CONVERSIONS & SYMBOLS

## Conversions

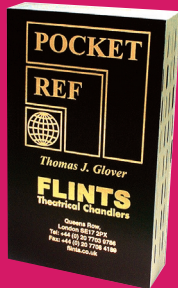
Conversions	Multiply by
Metres to feet	= 3.281
Sq metres to sq feet	= 10.7639
Litres to pints	= 1.761
Kilos to pounds	= 2.205
Inches to millimetres	= 25.4

Stair Proportions
9" rise should have a 5" tread
8" rise should have a 7" tread
7" rise should have a 9" tread
6" rise should have a 11" tread
5" rise should have a 13" tread

$o = h \times \sin X^\circ$        $h = o \div \sin X^\circ$   
 $o = a \times \tan X^\circ$        $h = a \div \cos X^\circ$   
 $a = o \div \tan X^\circ$        $\tan X^\circ = o \div a$   
 $a = h \times \cos X^\circ$        $\sin X^\circ = o \div h$   
 $\cos X^\circ = a \div h$

Circles
Area = $\pi r^2$
Circumf. = $\pi 2r$
Pi = 3.14159

Weights	
Lead	= 11,200kg/m <sup>3</sup>
Iron/Steel	= 7,700kg/m <sup>3</sup>
Aluminium	= 2,700kg/m <sup>3</sup>
Paper	= 1,120kg/m <sup>3</sup>
Water	= 1,000kg/m <sup>3</sup>
Oil	= 800kg/m <sup>3</sup>
Length of ali scaffold	= 10.07kg
Length of steel scaffold	= 29.82kg
Wood	= 800kg/m <sup>3</sup>
Plywood	= 615kg/m <sup>3</sup>
3 x 1 PAR per m [11%]	= 0.81kg
Scenic flax per sq m	= 0.25kg



**To find out anything else**  
Buy the Flints Pocket Reference on page 400.

**Tons, tonnes, short tons & hundred weights**  
Most lifting items nowadays will be rated in tonnes and kilograms. The symbol for a metric tonne is always a small "t". 1 t = 1,000 kg. The old imperial Ton always has a large "T" and is equal to 1,016 kg. So if you come across a piece of lifting gear rated in old Tons you can, for practical purposes, convert it straight into tonnes. The old Ton is divided into hundredweights [cwt]. There are 20 cwt to 1 T. 1 cwt = 50.8 kg. Just to confuse us, the Americans have their own ton which is often referred to as a short ton. 1 US ton = 907 kg.

## Symbols & Guide to Catalogue

	This product is new to our catalogue		Product is CE and/or UKCA marked [used only sparingly]
	This product is a Flints Own Product		Product is also available to hire
	Marine product		Adhesion value is approximate newtons per 10mm
	We love it		Eco-friendly product
	Sells our hot cakes		This item is being sold as cheap as we dare go before Andy Repka, our Finance Director, shouts at us
	Cheap as chips		Flints is approved to ISO 9001:2015
	Excellent value product		Flints is a full member of the Association of British Theatre Technician Industry Supporters Group
	Separate brochure available		
	Colour swatch available		Flints is a full member of the Lifting Equipment Engineers Association
	Video available		
	Suitable for Personal Protective Equipment		Purchase by phone, at our shop or online. We accept most credit cards
	Product suitable for lifting operations		