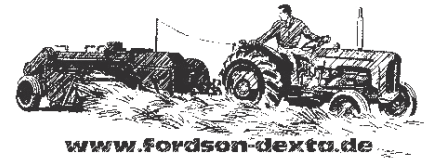


Technical Data Pages



Part 1: Conversion Chart

Throughout the shop manual, specifications are given to help you determine the condition of various components on your tractor, or to assist you in their installation. Some of the most common measurements include length (in or cm/mm), torque (ft. lbs, inch lbs. or Nm) and pressure (psi, Kg/cm²). In most cases, we strive to provide the proper measurement as determined by the manufacturer's engineers. Though, in some cases, that value may not be conveniently measured with what is available in our toolbox. Luckily, many of the measuring devices which are available today will have two scales so the Inch or Metric measurements may easily be taken. If any of the various measuring tools which are available to you do not contain the same scale as listed in the specifications, use accompanying conversion factors to determine the proper value. The conversion factor chart is used by taking the given specification and multiplying it by the necessary conversion factor. For instance, looking at the first line, if you have a measurement in inches such as "free-play should be 2 In." but your ruler reads only in millimeters, multiply 2 in. by the conversion factor 25.4 to get the metric equivalent of 50.8 mm. Likewise, if the specification was given only in a Metric measurement, for example in Newton Meters (Nm), then look at the center column first. If the measurement is 100 Nm, multiply it by the conversion factor of 0.738 to get 73.8 ft.lbs.

LENGTH - DISTANCE

Inches (in.)	x 25.4	= Millimeter (mm)	x 0.0394	= Inches
Feet (ft)	x 0.305	= Meters (m)	x 3.281	= Feet
Miles	x 1.609	= Kilometers (km)	x 0.0621	= Miles

VOLUME

Cubic Inches (in ³)	x 16.387	= Cubic Centimeters (ccm)	x 0.061	= in ³
IMP Pints (IMP pt.)	x 0.568	= Liters (L)	x 1.76	= IMP pt.
IMP Quarts (IMP qt)	x 1.137	= Liters (L)	x 0.88	= IMP qt.
IMP Gallons (IMP gal.)	x 4.546	= Liters (L)	x 0.22	= IMP gal.
IMP Quarts (IMP qt)	x 1.201	= US Quarts (US qt.)	x 0.833	= IMP qt.
IMP Gallons (IMP gal.)	x 1.201	= US Gallons (US gal.)	x 0.833	= IMP gal.
Fluid Ounces (fl oz)	x 29.573	= Milliliters (ml)	x 0.034	= Ounces
US Pints (US pt.)	x 0.473	= Liters (L)	x 2.113	= Pints
US Quarts (US qt.)	x 0.946	= Liters (L)	x 1.057	= Quarts
US Gallons (US gal.)	x 3.785	= Liters (L)	x 0.264	= Gallons

MASS - WEIGHT

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

TORQUE

Pounds - Force Inches (in-lb) (in-lbs)	x 0.113	= Newton Meters (Nm)	x 8.85	= in-lb
Pounds - Force Feet (ft-lb) (ft-lbs)	x 1.356	= Newton Meters (Nm)	x 0.738	= ft-lb

POWER

Horsepower (HP)	x 0.745	= Kilowatts	x 1.34	= Horsepower
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TEMPERATURE

Degree Fahrenheit (°F)	= (°C x 1.8) + 32
Degree Celsius (°C)	= (°F - 32) x 0.56

PRESSURE

Pounds per square inch (psi) (lb./sq. in.)	x 0.0703	= Kilograms per sq. centimeters (Kg/cm ²)
Kilograms per sq. centimeters (Kg/cm ²)	x 0.0142	= Pounds per square inch (psi) (lb./sq. in.)
1 Kg/cm ² = 0.981 bar	1 psi = 0.0689 bar	
1 bar = 1.0197 Kg/cm ²	1 bar = 14.503 psi	

SPEED

Miler per hour (mph)	x 1,609	= Kilometers per hour (Km/h)	x 0.6213	= mph
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