



Formulas:

Torque = HP * 5252/RPM [lbs*ft]
 = HP * 7122/RPM [Nm]

Offset (parallel) = $\tan^{-1} (z / l-2M)$ [deg]

With l = distance between shaft ends
 z = offset from driver centerline
 M = center of joint to end of flange

Roll Speed = $S_L * 3.8197 / D$ [RPM]

With S_L = Line or machine speed [ft/min]
 D = roll diameter [inch]

Conversion Factors:

FROM	TO	MULTIPLY BY	FROM	TO	MULTIPLY BY
Ft*lbs	Nm	1.356	Nm	Ft*lbs	0.7375
Ft*lbs	Inch*lbs	12	Inch*lbs	Ft*lbs	0.08333
Hp	kW	.7457	kW	Hp	1.341
Inch	mm	25.4	mm	Inch	0.03937
mm	meter	1000	meter	mm	0.001
kg	lbs	2.205	lbs	kg	0.4535
gallon	liter	3.785	liter	gallon	0.2642
radian	degree	57.2958	degree	radian	0.17453
Lbs*ft²	Lbs*inch ²	144	Lbs*inch²	Lbs*ft ²	0.006944
Kg*m²	Lbs*ft ²	23.7344	Lbs*ft²	Kg*m ²	0.042133