

Mechanic's Data



General Conversion Table

Multiply By	To Convert	To	Multiply By	To Convert	To
LENGTH			AREA		
2.54	Inches	Centimeters	.3937		
25.4	Inches	Millimeters	.03937		
30.48	Feet	Centimeters	.0328		
.304	Feet	Meters	3.28		
.914	Yards	Meters	1.094		
1.609	Miles	Kilometers	.621		
VOLUME			FORCE		
.473	Pints	Liters	2.11		
.946	Quarts	Liters	1.06		
3.785	Gallons	Liters	.264		
.016	Cubic inches	Liters	61.02		
16.39	Cubic inches	Cubic cms.	.061		
28.3	Cubic feet	Liters	.0353		
MASS (Weight)			PRESSURE		
28.35	Ounces	Grams	.035		
.4536	Pounds	Kilograms	2.20		
-	To obtain	From	Multiply by		
			OTHER		
			1.104	Horsepower (DIN)	Horsepower (SAE) .9861
			.746	Horsepower (SAE)	Kilowatts (KW) 1.34 .625
			1.60	Mph Mpg	Km/h Km/1 2.35
			.425		
-	To obtain	From	Multiply by		

Tap Drill Sizes

National (Coarse or U.S.S.)		
Screw Tap Size	Threads Per Inch	Use Drill Number
No. 5 ...	40	.39
No. 6 ...	32	.36
No. 8 ...	32	.29
No. 10 ...	24	.25
No. 12 ...	24	.17
1/4 . 5/16	20	.8
...	.18	.F
...	16	5/16
7/16, ...	14	.U
...	13	27/64 .
9/16, ...	12	...
...	11	17/32 .
...	10	23/32 .
...	9	19/64

National Coarse or U.S.S.		
Screw A Tap Size	Threads Per Inch	Use Drill Number
1 ...	8	...
1 1/8	7	13/64
1 1/4	7	1 1/8
1 1/2	6	1 1/32
National Fine or SAE.		
Screw & Tap Size	Threads Per Inch	Use Drill Number
No. 5 ...		44 ...
No. 6 ...		37
No. 8 ...		40 ...
No. 10 ...		33
		36 ...
		29
		32 ... 21

National Fine or SAE.		
Screw & Tap Size	Threads Per Inch	Use Drill Number
No. 12 ...	28	.15
...	28	.3
1/4 . 9/16	24	.1
...	24	.0
7/16	20	.W
1/2 .	20	11/64
9/16	18	11/64
...	18	27/64
...	16	11/16 .
...	14	13/16 .
1 1/8 .	12	13/64 .
1 1/4 .	12	11/64 .
1 1/2 .	12	11/64