



USEFUL CONVERSION FACTORS AND TABLES

Inch	Decimals of an inch	Millimeters	Inch	Decimals of an inch	Millimeters	Inch	Decimals of an inch	Millimeters
--	.03937	1.0	--	.708661	18.0	--	1.614173	41.0
1/16	.0625	1.587	--	.748031	19.0	1.5/8	1.625	41.275
--	.07874	2.0	3/4	.75	19.05	--	1.653543	42.0
3/32	.09375	2.381	--	.787402	20.0	--	1.692913	43.0
--	.11811	3.0	--	.826772	21.0	--	1.732283	44.0
1/8	.125	3.175	--	.866142	22.0	1.3/4	1.75	44.45
5/32	.15625	3.968	7/8	.875	22.225	--	1.771654	45.0
--	.15748	4.0	--	.905512	23.0	--	1.811024	46.0
3/16	.187	4.762	15/16	.9375	23.812	--	1.850394	47.0
--	.19685	5.0	--	.944882	24.0	1.7/8	1.875	47.625
7/32	.21875	5.556	--	.984252	25.0	--	1.889764	48.0
--	.23622	6.0	1	1.00	25.4	--	1.929134	49.0
1/4	.25	6.35	--	1.023622	26.0	--	1.968504	50.0
--	.275591	7.0	--	1.062992	27.0	2	2.00	50.80
9/32	.28125	7.143	--	1.102362	28.0	--	2.007874	51.0
5/16	.3125	7.937	1.1/8	1.125	28.575	--	2.047244	52.0
--	.314961	8.0	--	1.141732	29.0	--	2.086614	53.0
--	.354331	9.0	--	1.181102	30.0	2.1/8	2.125	53.975
3/8	.375	9.525	--	1.220472	31.0	--	2.125984	54.0
--	.393701	10.0	1.1/4	1.25	31.75	--	2.165354	55.0
--	.433071	11.0	--	1.259843	32.0	--	2.204724	56.0
7/16	.4375	11.112	--	1.299213	33.0	--	2.244094	57.0
--	.472441	12.0	--	1.338583	34.0	2.1/4	2.25	57.15
1/2	.50	12.70	1.3/8	1.375	34.925	--	2.283465	58.0
--	.511811	13.0	--	1.377953	35.0	--	2.322835	59.0
--	.551181	14.0	--	1.417323	36.0	--	2.362205	60.0
9/16	.5625	14.287	--	1.456693	37.0	2.3/8	2.375	60.325
--	.590551	15.0	--	1.496063	38.0	--	2.401575	61.0
5/8	.625	15.875	1.1/2	1.50	38.10	--	2.440945	62.0
--	.629921	16.0	--	1.535433	39.0	--	2.480315	63.0
--	.669291	17.0	--	1.574803	40.0	2.1/2	2.50	63.5

TEMPERATURES

Fahrenheit	Celcius
806	430
608	320
212	100
100	38
86	30
75	24
68	20
59	15
50	10
41	5

Fahrenheit	Celcius
-250	-418
-50	-58
-40	-40
-22	-30
-4	-20
+14	-10
32	0



USEFUL CONVERSION FACTORS

WEIGHT

1 lb.	(pound)	=	.45359 kg (kilogram)
1 kg.	(kilogram)	=	2.20462 lbs.
1 short ton (US)	= 2,000 lbs.	=	907.185 kg
1 metric ton	= 2,204.62 lbs.	=	1,000 kg
1 long ton	= 2,240 lbs.	=	1,016.05 kg

BREAKING FORCE

1 kN	(kilonewton)	=	101.972 kgf (kilogram/force)
1 kN	(kilonewton)	=	224.809 pounds/force
1 kip	=	1,000 lbs.	
1 kpf	=	.4536 lbs. pounds/force	

MASS/UNIT LENGTH

1 inch	=	25.4 mm	1 mm (millimeter)	=	.03937 inch
1 foot	=	.3048 m (meter)	1 cm (centimeter)	=	.3937 inch
1 yard	=	.9144 m (meter)	1 m (meter)	=	3.28084 ft. = 39.3701 inches
1 mile	=	1,609 m (meter)	1 km (kilometer)	=	1,000 meters
1 rod	=	5.5 yards		=	16.5 ft.
1 chain	=	22 yards		=	66 ft.
1 shot	=	90 ft.		=	15 fathoms

AREA

1 sq. in. (square inch)	=	645.16 mm ² (square millimeter)		
1 sq. ft. (square foot)	=	.0929 m ² (square meter)		
1 m ² (square meter)	=	10.7639 ft ² (square feet)		
1 acre	=	43,560 sq. ft.	=	4,046.86 sq. meters
1 hectare	=	10,000 sq. meters	=	2.47 acres

TENSILE GRADE

1770 N/mm ²	=	180 kp/mm ²	=	IPSbreaking strength
1960 N/mm ²	=	200 kp/mm ²	=	EIPSbreaking strength
2160 N/mm ²	=	220 kp/mm ²	=	EEIPSbreaking strength

ZINC WEIGHT

1 gram/square meter	=	.0032765 oz/square ft.
1 oz/sq. ft.	=	305.15686 grams/square meter

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