

HOW TO DETERMINE INCH/FEET (CM/METER) OF CUTTING ACCURATELY
WITH RGC HYDRAULIC SAWING EQUIPMENT

There are a number of ways to calculate the total inch/feet of cut in any opening size. For estimating your blade or chain diamond usage requirements, in terms of the unit measure "INCH/FEET" or (cm/meter), proceed to measure the opening length, width and material thickness.

- Convert all linear measurements into inches or (cm). Use one or more of the conversions necessary to obtain preferred unit of measure.

IF YOU HAVE:	MULTIPLY BY:	TO OBTAIN:
inches	x 1	= inches
feet	x 12	= inches
yard	x 36	= inches
cm	x .3937	= inches
meter	x 39.37	= inches
meter	x 100	= (cm)

- Take those units and insert into their respective places as follows:

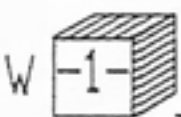
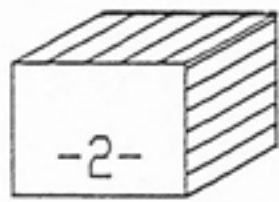
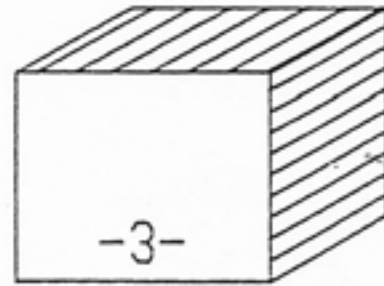
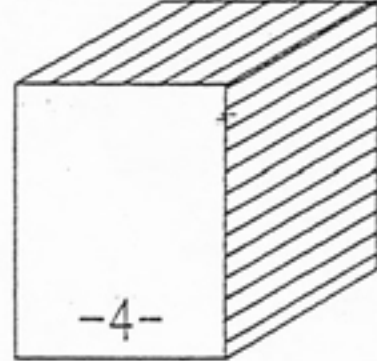
$$\frac{[(\text{LENGTH} + \text{WIDTH}) \times 2] \times \text{MATERIAL THICKNESS}}{\text{DIVIDED by 12 IN. or divided by (39.37 cm)}}$$

= INCH/FEET OF MATERIAL CUT.

or

= (cm/meter) of material cut.

For sample calculations using various opening sizes please see examples below:

SAMPLES				
				
#1	#2	#3	#4	
(minimum)				
Opening Length _____	5 in.	12 in.	28 in.	150 cm
Width _____	5 in.	24 in.	46 in.	75 cm
Formula _____	$\frac{[(5+5) \times 2]}{12}$	$\frac{[(12+24) \times 2]}{12}$	$\frac{[(28+46) \times 2]}{12}$	$\frac{[(150+75) \times 2]}{39.37}$
Formula x Thickness _____	4 in.	12 in.	(maximum) 15 in.	(maximum) 38 cm
IN/FT CUT _____	6.67	72	185	434 cm/meter

PRODUCT LIFE CONVERSION TABLE

INCH FEET	SQ. INCHES	SQ. FEET	SQ. METERS	LINEAR FEET 6" THICK	LINEAR FEET 8" THICK	FEET 10" THICK	FEET 12" THICK
100	1200	8	0.8	17	13	10	8
200	2400	17	1.5	33	25	20	17
300	3600	25	2.3	50	38	30	25
400	4800	33	3.1	67	50	40	33
500	6000	42	3.9	83	63	50	42
600	7200	50	4.6	100	75	60	50
700	8400	58	5.4	117	88	70	58
800	9600	67	6.2	133	100	80	67
900	10800	75	7.0	150	113	90	75
1000	12000	83	7.7	167	125	100	83
1100	13200	92	8.5	183	138	110	92
1200	14400	100	9.3	200	150	120	100
1300	15600	108	10.1	217	163	130	108
1400	16800	117	10.8	233	175	140	117
1500	18000	125	11.6	250	188	150	125
1600	19200	133	12.4	267	200	160	133
1700	20400	142	13.2	283	213	170	142
1800	21600	150	13.9	300	225	180	150
1900	22800	158	14.7	317	238	190	158
2000	24000	167	15.5	333	250	200	167
2100	25200	175	16.3	350	263	210	175
2200	26400	183	17.0	367	275	220	183
2300	27600	192	17.8	383	288	230	192
2400	28800	200	18.6	400	300	240	200
2500	30000	208	19.4	417	313	250	208
2600	31200	217	20.1	433	325	260	217
2700	32400	225	20.9	450	338	270	225
2800	33600	233	21.7	467	350	280	233
2900	34800	242	22.5	483	363	290	242
3000	36000	250	23.2	500	375	300	250