

CONVERSION TABLES

To Convert	Multiply by
Inches to Centimetres	2.54000
Centimetres to Inches	0.3937
Feet to Metres	0.3045
Metres to Feet	2.2810
Yards to Metres	0.9144
Metres to Yards	1.0940
Miles to Kilometres	1.6090
Kilometres to Miles	0.6214
Kilometres to Nautical Miles (U.K.)	0.5396
Kilometres to Nautical Miles (Int.)	0.5399
Sq. Inches to Sq. Centimetres	6.4520
Sq. Centimetres to Sq. Inches	0.1550
Sq. Metres to Sq. Feet	10.7600
Sq. Feet to Sq. Metres	0.0929
Sq. Yards to Sq. Metres	0.8361
Sq. Metres to Sq. Yards	1.1960
Sq. Miles to Sq. Kilometres	2.5900
Sq. Kilometres to Sq. Miles	0.3861
Acres to Hectares	0.4047
Hectares to Acres	2.4710
Cu. Inches to Cu. Centimetres	16.3900
Cu. Centimetres to Cu. Inches	0.0610
Cu. Feet to Cu. Meters	0.0283
Cu. Metres to Cu. Feet	35.3100
Cu. Yards to Cu. Metres	0.7646
Cu. Metres to Cu. Yards	1.3080
Cu. Inches to Litres	0.0161
Litres to Cu. Inches	61.0300
Gallons to Litres	4.3460
Litres to Gallons	0.2200
U. S. Pint to U. K. Pint	0.8327
U. S. Gallon to U. K. Pint	6.6616
Cu. Metres to U. K. Galls	219.9690
Grams to Grams	0.0648
Grams to Grains	15.4300
Ounces to Grams	28.3500
Grams to Ounces	0.0352
Pounds to Grams	433.6030
Grams to Pounds	0.0022
Pounds to Kilograms	0.4536
Kilograms to Pounds	2.2050
Tons to Kilograms	1015.0000
Kilograms to Tons	0.0009
Litres to U.S. Pints	2.1134
Litres to U. S. Galls	0.2642
Cu. Metres to U. S. Gallons	264.1720
1 Barrel of oil to U. S. Gallons	42.0000
1 Barrel of oil to U. K. Gallons	34.9700
1 Barrel of oil to Cu. Metres	0.1590

CUTTING FOR ACCESS WITH CONCRETE SUCCESS

- Installation of Anchor Fasteners • RCC / Rock Drilling
- Rebar Grouting • RCC Core Cutting
- Concrete Cutting • Groove Cutting • Concrete Crushing
- Wall Sawing • Wire Sawing • Demolition Works



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DIAMOND CUTTING vis-a-vis TRADITIONAL DEMOLITION

DIAMOND CUTTING

- Dimensionally accurate and clean work
- High Productivity
- Higher Safety to workers
- Fewer Operators
- Vibration and Dust Free
- Executed by Professionals
- Cuts rebar and other metals
- Remote Controlled Operations
- Precise
- Unlimited Possibilities

TRADITIONAL DEMOLITION

- Non Technical and Unprofessional Operation
- Time consuming
- Labor – intensive
- Preliminary work not possible
- Extra metal cutting equipment required
- Limitations



ENSURING STRUCTURAL INTEGRITY

- High impact vibration causes micro fractures in concrete and has a potential to cause damage to all the other parts of the structure. It can also cause damage to any equipment lying
- Ability to remove large amounts of concrete while maintaining structural integrity.
- Vibration Free and Impact Free.



CONCRETE SAWING & DRILLING
ASSOCIATION, INC.
St. Petersburg, USA.

CORE DRILLING



- Sampling for Tests : Extraction of core samples for investigation of concrete and rocks.
- Foundation Bolt Applications : Removing of sheared bolts in foundation and creating new pockets in existing foundations.
- Utility Openings : Utility openings can be made for HVAC ductings, electrical conduits, mechanical piping, better ventilation, air sampling in chimneys, air flushing in high velocity elevators etc.
- Stitch Drilling : Removing Concrete of large thickness from virtually inaccessible locations where wall saw and floor saw would give up.

FLOOR SAWING & HAND SAWING



- Floor Sawing : Ideal for cutting horizontal surfaces to facilitate making of shrinkage compensation / construction / expansion joint.
- Enlargement of openings : Cutting openings in slabs for staircases, lifts and upgradation works etc.
- Trench cutting : In existing hard topped floors in industries like textile / spinning mills etc.
- Demolition and dismantling works
- Hand sawing : Most handy tool for cutting concrete in small cross sections of slabs, beams and masonry works.
- Ideal for both Concrete and Asphalt

REBAR FIXING & FIXING SYSTEM



- Vertical Connections
- Structural enhancement of new columns and piers
- Pile Caps
- Major structural repairs
- Bridge upgrading
- Structural upgradation
- Concrete remedial work of nature
- Staircases
- Chajjas

ANCHORING SYSTEM



- Highest tensile and shear load which translates into higher safety with fewer overall fixing points that help cut costs.
- Can be used in extremely thin concrete panels, starting from 8 cm. thickness upto the maximum.
- Smallest edge distance and axial spacings for wider application options.
- Low driving-in energy and small tightening distance make it extremely handy for installation work.
- Galvanised and Stainless Steel options available.

HYDRAULIC ROCK & CONCRETE SPLITTERS



A powerful and economic way to break rock and demolish concrete

- Splitting force upto 413 tons (4048 kn)
- No Vibrations No Dust
- Deft handling & transportation
- Also useful at places of difficult access
- Dimensionally accurate working

CONCRETE CRUSHER



- Ideally suited for huge demolition inside buildings
- Crushes concrete up to 30 cm
- Cuts reinforcements up to 20 mm
- Replaceable crusher tips made of a specially wear resistant steel alloy
- Economy of time
- Cost effective performance

WALL SAWING



For sawing walls and inclined surfaces.

- Utility openings : To make openings in walls for fixing doors, windows and ventilation, lift doors and air outlets in lift shafts.
 - Dismantling of Staircases.
 - Demolition of various structures.
- Max. thickness of 400 mm on one side.

WIRE SAWING



Most advanced system of diamond cutting that cuts concrete of any size and shape.

- Under water cutting for modifications to a range of Structures, viz. Bridges, Docks, Dams, Wharfs, Piers etc.
- Dismantling of beams and columns.
- Partial dismantling of foundations, walls etc.
- Fast sawing that minimises downtime.
- Precision cutting of concrete and metal.