

TOTAL CONCRETE CORE SOLUTIONS



Toolgal core drill bits and the configuration of our professional diamond bit segments, guarantee quick and high performance drilling in all common construction materials such as concrete, reinforced concrete, concrete blocks and masonry.

Knowledge and experience in servicing the most demanding needs of worldwide coring contractor sector, brought us to develop a complete solution for most coring applications according to machine power, types of aggregates and rebar reinforcement.

Toolgal segmented laser welded core drills fits all hand held wet coring machines (42 - 127mm), with 1/2" BSP connections and rig mounted core drilling heads with 1 1/4" UNC connection from 42 - 302mm. Larger diameters are available with silver brazing.

Technical recommendations:

DRILL DIAMETER (mm.)	ROTATIONAL SPEED (RPM)	RECOMMENDED DRILLING MACHINE POWER (KW)
42	900–1400	1
52	750–1100	1-2
62	620–950	1-2
72	550–800	2-3
82	470–700	2-3
102	370–550	2-3
122	310–470	3-4
152	250–380	3-4
162	240–350	3-4
182	210–320	3-4
202	190–280	3-4
250	150–230	4
300	130–190	4
400	100–140	4
500	80–120	4



We offer hand and fixed, light to mid powered core drilling machines. Toolgal offers the “UNIVERSAL” solution for the drilling of concrete, reinforced concrete, bricks, block and other construction materials.
 ½” BSP connection, L= 400mm. (Other lengths are available upon request)



COBRA-L

MACHINE	APPLICATION	
>1.3 KW	R. Conc.	42 /4 24X3.5X10 COBRA-L 1/2"
>1.3 KW	R. Conc.	52 /5 24X3.5X10 COBRA-L 1/2"
>1.3 KW	R. Conc.	57 /5 24X3.5X10 COBRA-L 1/2"
>1.3 KW	R. Conc.	62 /6 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	67 /6 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	72 /6 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	77 /7 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	82 /7 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	84 /7 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	87 /7 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	92 /8 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	102 /8 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	107 /9 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	112 /9 24X3.5X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	117 /9 24X4.0X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	122 /10 24X4.0X10 COBRA-L 1/2"
2 – 2.5 KW	R. Conc.	127 /10 24X4.0X10 COBRA-L 1/2"

COBRA-H

The COBRA-H is designed to be a universal and reliable core drill for concrete, reinforced concrete, bricks, blocks and other construction materials. To be applied with mid to high powered fixed core drilling machines.

1 1/4" UNC connection, L=400 or 450mm. (Additional length and diameters are available upon request)

MACHINE	APPLICATION	
>2 KW	R. Conc.	42 / 4 24X3.5X10 COBRA-H 1 1/4"
>2 KW	R. Conc.	52 / 5 24X3.5X10 COBRA-H 1 1/4"
>2 KW	R. Conc.	57 / 5 24X3.5X10 COBRA-H 1 1/4"
2 – 2.5 KW	R. Conc.	62 / 6 24X3.5X10 COBRA-H 1 1/4"
2 – 2.5 KW	R. Conc.	67 / 6 24X3.5X10 COBRA-H 1 1/4"
2 – 2.5 KW	R. Conc.	72 / 6 24X3.5X10 COBRA-H 1 1/4"
2 – 2.5 KW	R. Conc.	77 / 7 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	82 / 7 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	84 / 7 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	87 / 7 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	92 / 8 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	102 / 8 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	107 / 9 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	112 / 9 24X3.5X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	117 / 9 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	122 / 10 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	127 / 10 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	132 / 11 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	137 / 11 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	142 / 11 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	152 / 12 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	162 / 12 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	172 / 13 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	177 / 13 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	182 / 13 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	187 / 14 24X4.0X10 COBRA-H 1 1/4"
>3 KW	R. Conc.	192 / 14 24X4.5X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	202 / 15 24X4.5X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	212 / 15 24X4.5X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	227 / 16 24X4.5X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	232 / 17 24X4.5X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	252 / 18 24X4.5X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	277 / 19 24X5.0X10 COBRA-H 1 1/4"
>4 KW	R. Conc.	302 / 20 24X5.0X10 COBRA-H 1 1/4"



TYPHOON

The TYPHOON is a heavy duty core drill for concrete and reinforced concrete with a mid to high reinforcement ratio. To be applied with mid to high powered fixed core drilling machines.

1 1/4" UNC connection, L=400 or 450mm. (Additional lengths and diameters are available upon request)

MACHINE	APPLICATION	
>2 KW	R. Conc.	42 / 4 24X3.5X10 TYPHOON 1 1/4"
>2 KW	R. Conc.	52 / 5 24X3.5X10 TYPHOON 1 1/4"
>2 KW	R. Conc.	57 / 5 24X3.5X10 TYPHOON 1 1/4"
>2.5 KW	R. Conc.	62 / 6 24X3.5X10 TYPHOON 1 1/4"
>2.5 KW	R. Conc.	67 / 6 24X3.5X10 TYPHOON 1 1/4"
>2.5 KW	R. Conc.	72 / 6 24X3.5X10 TYPHOON 1 1/4"
>2.5 KW	R. Conc.	77 / 7 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	82 / 7 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	84 / 7 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	87 / 7 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	92 / 8 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	102 / 8 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	107 / 9 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	112 / 9 24X3.5X10 TYPHOON 1 1/4"
>3 KW	R. Conc.	117 / 9 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	122 / 10 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	127 / 10 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	132 / 11 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	137 / 11 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	142 / 11 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	152 / 12 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	162 / 12 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	172 / 13 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	177 / 13 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	182 / 13 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	187 / 14 24X4.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	192 / 14 24X4.5X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	202 / 15 24X4.5X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	212 / 15 24X4.5X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	227 / 16 24X4.5X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	232 / 17 24X4.5X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	252 / 18 24X4.5X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	277 / 19 24X5.0X10 TYPHOON 1 1/4"
>4 KW	R. Conc.	302 / 20 24X5.0X10 TYPHOON 1 1/4"

Diamond ring bits

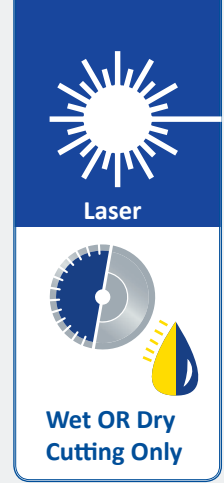
Toolgal's diamond ring bits provide an excellent cutting capacity in reinforced concrete. Our extensive global experience in various applications brought us to create a variety of ring types that provide the most efficient solution for any drilling job. Our team of experts work to create total solutions to fit the unique needs of our customers.

Toolgal also manufactures laser welded, as well as brazed ring, drill bits.

PRORING ±RING CORE DRILLS

½" BSP connection, L= 400mm. (Additional lengths, diameters or connections are available upon request) We offer an excellent choice of hand held and rig mounted drilling bits for all types of machines used in core drilling in concrete, reinforced concrete, including Flint concrete.

MACHINE	APPLICATION	
All drilling machines	R. Conc.	12 /2.5X8.0 PRORING+ 400 1/2
Consult Toolgal's technical staff for type		14 /2.5X8.0 PRORING+ 400 1/2
		15 /2.5X8.0 PRORING+ 400 1/2
		16 /2.5X8.0 PRORING+ 400 1/2
		18 /2.5X8.0 PRORING+ 400 1/2
		20 /2.5X8.0 PRORING+ 400 1/2
		22 /2.5X8.0 PRORING+ 400 1/2
		24 /2.5X8.0 PRORING+ 400 1/2
		25 /2.5X8.0 PRORING+ 400 1/2
		26 /2.5X8.0 PRORING+ 400 1/2
		27 /2.5X8.0 PRORING+ 400 1/2
		28 /2.5X8.0 PRORING+ 400 1/2
		30 /2.5X8.0 PRORING+ 400 1/2
		32 /2.5X8.0 PRORING+ 400 1/2
		35 /2.5X8.0 PRORING+ 400 1/2
		38 /2.5X8.0 PRORING+ 400 1/2
		40 /2.5X8.0 PRORING+ 400 1/2
		41 /3.0X8.0 PRORING+ 400 1/2
		42 /3.0X8.0 PRORING+ 400 1/2
		45 /3.0X8.0 PRORING+ 400 1/2
		50 /3.0X8.0 PRORING+ 400 1/2
	52 /3.0X8.0 PRORING+ 400 1/2	



Socket drill bits

Toolgal offers high quality laser welded socket drill bits “Makes the most difficult materials easy to drill”.

The range includes drill bits with M16 inner thread in the diameters 32, 52, 68, 82 and 112mm. (Centering drill is available upon request).

PRORING ±RING CORE DRILLS

M16 (Additional diameters, lengths or connections are available upon request)

MACHINE	APPLICATION	
All drilling machines	R. Conc. Bricks, Blocks, Concrete.	32 /4.0X8.0 3S 70 M16
		52 /4.0X8.0 3S 70 M16
		68 /4.0X8.0 4S 70 M16
		82 /4.0X8.0 4S 70 M16
		112 /4.0X8.0 5S 70 M16