



# SC30

## TURBO SEGMENTED RIM

### GENERAL PURPOSE

800 Expert



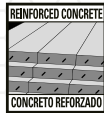
Cat® 800 Expert General Purpose turbo segmented laser welded diamond blades are designed to cut incredibly fast & accurately on a wide range of applications. The turbo design extracts the fines & debris from the cut aggressively & make a neat cutting edge. High quality diamond grit & unique bonding matrix allows the blade to cut the hardest materials whilst having a great span of application across other substrates & materials. High quality engineered blank with cooling holes keeps the blade cool in the toughest conditions.

#### ATTRIBUTES

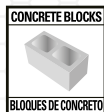
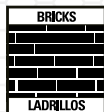
- FULLY HARDENED & HEAT TREATED STEEL CORE
- VENTED COOLING HOLES FOR RAPID HEAT DISPERSION
- 2X LASER WELDED FOR SAFETY & STABILITY OF SEGMENTS
- UNIQUE TURBO SEGMENT DESIGN FOR AGGRESSIVE CUTTING ACTION
- UNIQUE V TURBO DESIGN CLEARS ABRASIVE FINES FROM THE CUT & GENERATES LESS FRICTION
- UNIQUE BOND FORMULATION & HIGH QUALITY HIGH CONCENTRATION DIAMOND GRIT
- KEYHOLE GULLET DESIGN FOR DUST EXTRACTION FROM CUT
- VERY LONG LIFE & SPEED OF CUT.

#### APPLICATION

★★★★	SOFT - MEDIUM AGGREGATE CONCRETE (GRANITE - LIMESTONE), TERRACOTTA, CLASS B ENGINEERING BRICK 75N/MM², LIMESTONE AGGREGATE CONCRETE, LIGHTLY REINFORCED CONCRETE, CONCRETE PAVIOURS - KERBS - SLABS, CONCRETE ROOF TILES - PIPES, MEDIUM FACING BRICK, SOFT FACING BRICKS, CONCRETE BLOCKS OVER 15N/MM², HARD SANDSTONE (FINE GRIT), MEDIUM SANDSTONE (MEDIUM GRIT), PLASTER - GROUT.
★★★	HARD TO MEDIUM AGGREGATE CONCRETE (CHERT - TRAP ROCK - RIVER GRAVEL), MEDIUM AGGREGATE CONCRETE (TRAPROCK - QUARTZ), BASALT, HARD LIMESTONE, HARD FACING BRICK, HARD SLATE, SOFT SLATE, CONCRETE SCREED.
★★	GRANITE, QUARTZITE, CLASS A ENGINEERING BRICK 125 N/MM²; REFRACTORY BRICK, CLAY PIPE - ROOF TILES, CLAY PAVIOURS, TRAVERTINE, PORPHYRY, SOFT SANDSTONE (COARSE GRIT), MORTAR (HARD), MORTAR (ABRASIVE), ASPHALT OVER CONCRETE, CONCRETE BLOCK UNDER 15N/MM², THERMAL BLOCK 7 N/MM², LIGNACITE BLOCKS.
★	HEAVILY STEEL REINFORCED CONCRETE, CRITICALLY HARD AGGREGATE CONCRETE (FLINT, CHERT), ASPHALT, GREEN CONCRETE UNIVERSAL, GREEN CONCRETE WITH VERY HARD AGGREGATE, GREEN CONCRETE WITH MEDIUM HARD AGGREGATE, GREEN CONCRETE WITH MEDIUM SOFT AGGREGATE, LAVA ROCK, PUMICE.



DRY CUTTING



WET CUTTING



PRODUCT		DIAMETER		SEGMENT HEIGHT		SEGMENT WIDTH		MAIN ARBOR - BORE		REDUCING RINGS INCLUDED		MACHINES USED
PART NO	CODE NO	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	
DA34011	SC30115	115	4 1/2	12	0.472	2.2	0.087	22.23	7/8	N/A	N/A	
DA34012	SC30125	125	5	12	0.472	2.4	0.094	22.23	7/8	N/A	N/A	
DA34013	SC30180	180	7	12	0.472	2.4	0.094	22.23	7/8	N/A	N/A	
DA34014	SC30230	230	9	15	0.590	3	0.118	22.23	7/8	N/A	N/A	
DA34015	SC30300	300	12	15	0.590	3	0.118	25.4+P	1+P	25.4 - 20	1 - 20mm	
DA34016	SC30350	350	14	15	0.590	3.2	0.126	25.4+P	1+P	25.4 - 20	1 - 20mm	
DA34017	SC30400	410	16	15	0.590	3.4	0.134	25.4 + P	1 + P	25.4 - 20	1 - 20mm	
DA34018	SC30450	450	18	15	0.590	3.6	0.142	25.4 + P	1 + P	N/A	N/A	



**WARNING:** This product can expose you to "Nickel" which is known to the State of California to cause cancer & birth defects.  
**ADVERTENCIA:** Este producto puede exponerlo a un "Níquel" que el Estado de California sabe que causa cáncer y defectos de nacimiento.  
**AVERTISSEMENT:** ce produit peut vous exposer à un "Nickel" connu de l'État de Californie pour provoquer le cancer et des malformations congénitales. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



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**SILICA DUST:** Workers who are exposed to respirable crystalline silica dust are at increased risk of developing serious silica-related diseases. It is necessary to use saws & other machinery that is equipped with an integrated water delivery system that continuously feeds water to the blade. Operate & maintain all tools in accordance with manufacturer's instructions to minimize dust emissions & always wear the correct ventilator. For more info visit: [www.osha.gov/sites/default/files/publications/OSHA3681.pdf](http://www.osha.gov/sites/default/files/publications/OSHA3681.pdf)