

NORTON

SAINT-GOBAIN

Transforming
surfaces
...and beyond

NEW GENERATION CARBIDE BURRS

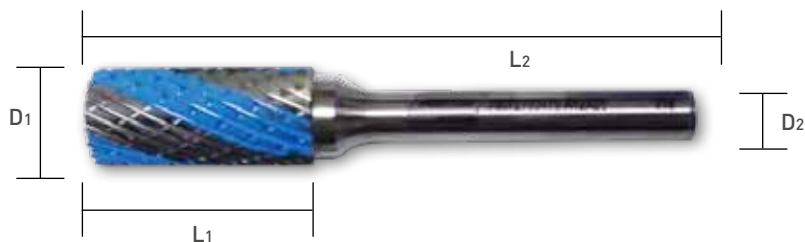


NEW! GEOMETRIES FOR OPTIMUM RESULTS

Norton has turned carbide burr technology on its head with its state of the art new designs. The new geometries meet growing market demands for stainless steel, steel, carbon steel and nickel alloys, providing fast stock removal and long tool life.

The next generation of carbide burrs covers a variety of teeth and cutting shapes that offer an optimal adaptation to the key characteristics of various materials at a very competitive price.

UNDERSTANDING THE PRODUCT



BURR DIMENSIONS & DESCRIPTION

A	16,0	x	25,0	6	x	65	X-TREM
SHAPE	HEAD DIAMETER	X	HEAD LENGTH	SHANK DIAMETER	X	OVERALL BURR LENGTH (OL)	CUT STYLE
	D ₁		L ₁	D ₂		L ₂	

Norton offers a complementary line of non-abrasive products to meet every customer requirement. The range is classified into three quality-tiers (good/better/best) to help you choose the right product for your specific application.



NEW X-TREM CUT **+++++**

TAKE A **BLUE** LEAP IN PERFORMANCE

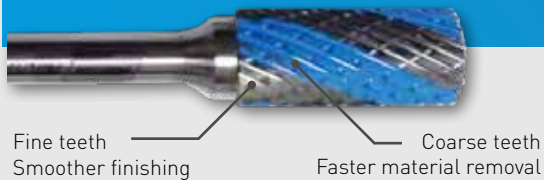
DESIGNED TO WORK AS LONG AS YOU DO

- 40% faster stock removal*
- 40% longer life*
- Glossy and smooth finish
- Very competitive price



TIP

All Norton X-TREM burrs are identified with blue stripes so you can be sure you picked up the right product. X-TREM CUT still works long after the blue paint is gone.



CUT STYLES

X-TREM CUT	DOUBLE CUT		ALU CUT	
				
+++++	+++++	++++	+++++	++++

- Faster stock removal*
- Longer life*
- Glossy & smooth finish

DC TiAlN coated

Universal cutting style

ALU TiAlN coated

ALU cutting style

* than DC

PRODUCT RECOMMENDATION GUIDE

MATERIALS	X-TREM CUT	DC XT	DC	ALU XT	ALU
	+++++	+++++	++++	+++++	++++
Steel <40HRC, carbon steel, non-alloy steel	*****	*****	****		
Steel (40-60HRC), alloyed steel	*****	*****	****		
Stainless steel	*****	*****	****		
Cast iron	*****	*****	****		
Nickel alloys, cobalt alloys	*****	*****	****		
Soft aluminium, aluminium alloys, brass, copper, zinc				*****	*****
Bronze, titanium, titanium alloys, very hard aluminium alloys	****	***	***	*****	****
Plastic/wood				*****	*****






FOR ALUMINIUM AND NON-FERROUS MATERIALS

ALU XT **+++++**

- 'ALU' cut style, coated with TiAlN (titanium aluminium nitride) for better sliding characteristics
- Reduced heat generation on the workpiece
- Excellent chip removal and reduced wear of teeth
- Reduces cutting pressure due to improved lubrication

ALU **++++**

- 'ALU' cut style, for deburring aluminium alloys and plastic
- Wide tooth formation for easy chip flow
- Large chip formation to avoid dangers of aluminium dust
- Controlled consistent cut

PRODUCT SHAPE	D ₁ xL ₁ xD ₂ xL ₂ (mm)	PK QTY	ALU XT +++++	ALU ++++
A CYLINDER				
	10x19x6x65	1	-	60157638195
	12x25x6x70	1	-	63642586517
B CYLINDER WITH END CUT				
	10x19x6x65	1	-	07660739845
C BALL NOSED CYLINDER				
	10x19x6x65	1	-	60157638182
	12x25x6x70	1	-	07660707846
F BALL NOSED TREE				
	10x19x6x65	1	-	63642586951
	12x25x6x70	1	69957383303	60157638181
L BALL NOSED CONE				
	12x30x6x75	1	69957383325	63642587101



FOR STEEL, STAINLESS STEEL, CAST STEEL, COOPER, CAST IRON, NICKEL ALLOYS, ALLOYED STEEL, FERROUS METALS

NEW! X-TREM CUT



- New cutting geometry for faster stock removal and better finish
- Easy to work with like DC carbide burrs (works in both directions)
- Longer life than DC carbide burrs
- The blue stripes are not a coating, they are just for easy identification of the product

DOUBLE CUT DC XT



- Double cut style, coated with TiAlN (titanium aluminium nitride) for better sliding characteristics
- Universal cutting style for fast material removal, smooth finish & granular chip break
- Excellent chip removal and reduced wear of teeth
- Reduces cutting pressure due to improved lubrication

DOUBLE CUT DC



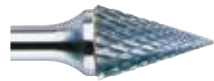


- Universal cutting style for fast material removal
- Unique geometry improves operator control and reduces the size of chips
- Increased cut rate and longer life on tough applications
- Double cut style

PRODUCT SHAPE	D ₁ xL ₁ xD ₂ xL ₂ (mm)	PK QTY	NEW! X-TREM CUT	DOUBLE CUT DC XT	DOUBLE CUT DC
A CYLINDER					
	3x13x3x38	1	-	-	63642586518
	4x12,7 3x38	1	-	-	78072756859
	5x16x6x50	1	-	-	78072756912
	6x19x6x50	1	-	-	66261146394
	8x19x6x65	1	-	-	66261146396
	10x19x6x65	1	-	-	66261146496
	10x25x6x162	1	-	-	63642535764
	12x25x6x70	1	78072753479	-	66261146497
	12x25x8x70	1	78072756634	-	-
	16x25x6x70	1	-	-	60157638148

PRODUCT SHAPE	D ₁ xL ₁ xD ₂ xL ₂ (mm)	PK QTY	NEW! X-TREM CUT	DOUBLE CUT DC XT	DOUBLE CUT DC
B CYLINDER WITH END CUT					
	3x13x3x38	1	-	-	60157638140
	4x16x6x50	1	-	-	78072756915
	5x16x6x50	1	-	-	78072756935
	6x19x6x50	1	-	-	63642586641
	8x19x6x65	1	-	-	7660707804
	8x19x6x175	1	-	-	63642535757
	9,5x19 6x65	1	-	-	66261146498
	12x25x6x70	1	78072756677	-	66261146499
16x25x6x70	1	-	-	66261146500	
C BALL NOSED CYLINDER					
	3x13 3x38	1	78072756678	-	-
	6x13x6x162	1	-	-	63642535773
	6x19 6x80	1	-	-	66261197806
	6x19x6x50	1	78072756707	-	66261146521
	8x19x6x64	1	78072756708	-	66261146524
	9,5x19 6x64	1	78072756709	-	66261146526
	12x19x6x65	1	-	-	60157638153
	12x25x6x70	1	78072753481	69957383241	66261146531
	16x25x6x70	1	-	-	66261146532
	D BALL				
	6x5 6x50	1	-	-	66261146533
	8x6,3 6x52	1	-	-	66261146534
	9,5x8 6x54	1	-	-	66261146535
	10x9 6x53	1	78072756722	-	07660707832
	12x11 6x56	1	78072756783	-	66261146536
	16x4x6x59	1	-	-	78072756936
E OVAL					
	5x7,1 3x38	1	-	-	78072756954
	6x10x6x50	1	-	-	63642586892
	10x16x6x60	1	-	-	60157638159
	12x22x6x67	1	-	-	60157638162
	16x25 6x70	1	-	-	78072756958

PRODUCT SHAPE	D ₁ xL ₁ xD ₂ xL ₂ (mm)	PK QTY	NEW! X-TREM CUT	DOUBLE CUT DC XT	DOUBLE CUT DC
F BALL NOSED TREE					
	3x12,7 3x38	1	-	-	78072757016
	6x16x6x50	1	78072756792	-	-
	6x18 6x50	1	-	-	66261146537
	6x18x6x150	1	-	-	66623391628
	8x20x6x150	1	-	-	66623382151
	9,5x19 6x65	1	-	-	66261146539
	12x25x6x70	1	78072753486	-	66261146540
	12x25x8x70	1	78072756793	-	-
16x25x6x70	1	-	-	66261146541	
G TREE					
	3x14 3x38	1	-	-	60157638163
	6x16x6x50	1	-	69957383305	-
	6x18 6x50	1	-	-	66261146542
	8x19x6x64	1	-	-	66261146544
	9,5x19 6x64	1	-	-	66261146545
	12,7x19 6x64	1	78072756839	-	-
	12x25x8x70	1	78072756840	-	-
	12,7x25 6x70	1	-	-	66261146547
	16x25x6x70	1	-	-	66261146548
	19x25x6x70	1	-	-	78072757018
H FLAME					
	5x9,5x4x38	1	-	-	78072757019
	8x19 6x64	1	78072756845	-	-
	12x32x6x77	1	78072756850	-	63642587971
	16x36x6x81	1	-	-	78072757007
J CYLINDER WITH END CUT					
	12,7x11 6x61	1	-	-	78072757020
	16x14 6x64	1	-	-	78072757021

PRODUCT SHAPE	D ₁ xL ₁ xD ₂ xL ₂ (mm)	PK QTY	NEW! X-TREM CUT	DOUBLE CUT DC XT	DOUBLE CUT DC
K COUNTERSINK 90°					
	12,7x6x6x58	1	-	-	78072757063
	16x8 6x58	1	-	-	78072757064
L BALL NOSED CONE					
	6x16x6x50	1	-	-	60157638156
	8x22 6x70	1	-	-	66261146549
	9,5x27 6x75	1	-	-	66261146550
	12x30x6x75	1	78072756853	-	-
12,7x28 6x77	1	-	-	66261146552	
M CONE					
	3x11x3x38	1	-	-	78072757066
	6x19x6x50	1	-	-	63642587137
	10x16x6x65	1	-	-	63642587133
	12x22x6x70	1	-	-	60157638149



X-TREM CUT 5 CARBIDE BURRS KIT **+++++**

KIT	SHAPE	D ₁ xL ₁ xD ₂ xL ₂ (mm)	ART NO.	PK QTY	ART NO.
NEW X-TREM CUT	A	12x25x6x70	78072753479	1	78072756854
	C	12x25x6x70	78072753481	1	
	D	12,7x10,8x6x,56	78072756783	1	
	F	12x25x6x70	78072753486	1	
	L	12x30 6x75	78072756853	1	



FOR MORE INFORMATION VISIT
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