



NORTON

SAINT-GOBAIN®

CUTTING-OFF &
GRINDING WHEELS

CUTTING-OFF & GRINDING WHEELS

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CUTTING-OFF & GRINDING WHEELS

INTRODUCTION

The Norton range of Cutting-off and Grinding Wheels for portable and fixed machines provide superior performance in the most stringent working environment. The product range includes state-of-the-art solutions for Cutting-off, Grinding, and Surface Finishing operations on any materials related to industrial fabrication markets. Norton, the industry's most comprehensive Cutting-off and Grinding product line.



UNDERSTANDING THE PRODUCT

- 1 Best quality tier
- 2 Application material
- 3 Diameter x Thickness x Hole
- 4 Product specification
- 5 Maximum peripheral speed
- 6 Machine cutting or grinding
- 7 Product code
- 8 OSA certification
- 9 EN12413

PRODUCT SELECTION GUIDE

GRINDING WHEELS FOR ANGLE GRINDERS



Highly recommended ●

MATERIALS	NORTON QUANTUM3	OMEGA	VULCAN	STARLINE	1-2-3	ALU	FOUNDRY X	DIALAST	OIL & GAS
	+++++	+++++	++++	+++	+++++	++++	++++	+++++	++++
Steel / construction steel	●	●	●	●	●		●		●
Low alloy	●	●	●	●	●		●		●
High alloy	●	●		●					●
Thin sheets, plates, profiles	●	●	●						●
Stainless steel / inox	●	●	●		●				●
Cast iron							●		
Non ferrous						●			
Titanium	●		●			●			
Stone concrete			●						
Tiles ceramics			●						

PRODUCT SELECTION GUIDE

CUTTING-OFF WHEELS FOR ANGLE AND STRAIGHT GRINDERS

Highly recommended ●



MATERIALS	NEW NORTON QUANTUM3	OMEGA	VULCAN	STARLINE	1-2-3	ALU	FOUNDRY X	DIALAST	OIL & GAS	RAIL	MULTI MATERIAL
Steel / construction steel	●	●	●	●	●	●	●	●	●	●	●
Low alloy	●	●	●	●	●	●	●	●	●	●	●
High alloy	●	●	●	●	●	●	●	●	●	●	●
Thin sheets, plates, profiles	●	●	●	●	●	●	●	●	●	●	●
Stainless steel / inox	●	●	●	●	●	●	●	●	●	●	●
Cast iron	●	●	●	●	●	●	●	●	●	●	●
Non ferrous	●	●	●	●	●	●	●	●	●	●	●
Titanium	●	●	●	●	●	●	●	●	●	●	●
Stone concrete	●	●	●	●	●	●	●	●	●	●	●
Tiles ceramics	●	●	●	●	●	●	●	●	●	●	●
Rail hard grade	●	●	●	●	●	●	●	●	●	●	●
Rail medium grade	●	●	●	●	●	●	●	●	●	●	●
Rail soft grade	●	●	●	●	●	●	●	●	●	●	●
Glass ceramics PVC	●	●	●	●	●	●	●	●	●	●	●

NORTON
SAINT-GOBAIN®

QUANTUM 3

1 OPERATOR COMFORT...
Reduced hand fatigue from less cutting vibration.

2 LESS GRINDING TIME...
A sharper wheel for the highest metal removal & faster cutting action.

3 LESS DOWNTIME & WASTE...
From longer wheel life, using fewer wheels.

UTG
ULTRA THIN GRINDING





CUTTING-OFF & GRINDING WHEELS FOR METAL FABRICATION & WELDING

The use of abrasives in secondary steel industries is vast; from ship building and production of domestic appliances, automotive and construction components, special profiles, pipes and electrical goods to maintenance and repair of equipment, tools and machines.

NORTON QUANTUM **+++++** INNOVATION ULTIMATE TECHNOLOGY

- Premium aggressive NorZon Heavy Duty grain
- Revolutionary Patent Pending Bond Technology
- No other wheel lasts longer
- Lowest total abrasive costs
- High metal removal rate



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE	
CUTTING-OFF WHEELS								
	TYPE 41	115	1,0x22,23	ZA 60 ZZ	25	66252836338	£000.00	
				1,3x22,23	ZA 60 ZZ	25	66252836897	£000.00
				1,6x22,23	ZA 46 ZZ	25	66252836339	£000.00
		125	1,0x22,23	ZA 60 ZZ	25	66252836340	£000.00	
				1,3x22,23	ZA 60 ZZ	25	66252836898	£000.00
				1,6x22,23	ZA 46 ZZ	25	66252836341	£000.00
	TYPE 42	180	1,6x22,23	ZA 46 ZZ	25	66252837989	£000.00	
			230	1,9x22,23	ZA 46 ZZ	25	66252837990	£000.00
			115	0,8x22,23	ZA 60 ZZ	25	66252840228	£000.00
		125	0,8x22,23	ZA 60 ZZ	25	66252838243	£000.00	





NEW NORTON QUANTUM3 ULTRA THIN CUTTING-OFF WHEELS

+++++ INNOVATION



- Cutting performance taken to a new level in comfort, life and speed.
- For precision, speed and the most accurate cut with reduced vibration levels, helping you to cut more comfortably for longer.
- Ceramic grains give this wheel it's unique character. 1,3mm for ultimate speed and comfort. 1,6mm for absolute stability and longest life.
- Delivers best in class performance on Steel and Stainless Steel.



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
	TYPE 41 	115	1,3x22,23	NQ 60 ZZ	25	66253371348	€000.00
			1,6x22,23	NQ 46 ZZ	25	66253371349	€000.00
	125	1,3x22,23	NQ 60 ZZ	25	66253371351	€000.00	
		1,6x22,23	NQ 46 ZZ	25	66253371352	€000.00	



NEW NORTON QUANTUM3 CUTTING-OFF WHEELS

+++++ INNOVATION



- Greater wheel thickness for a more robust cut.
- Ceramic grain provides a fast, sharp cut time and time again.
- Incomparable speed in rough cutting applications on black steel.
- Ideal for large steel projects, shipyards, steel construction and general engineering.



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
	TYPE 42 	125	2.5x22.23	NQ 24 P	25	66252832258	€000.00
		180	2.5x22.23	NQ 24 P	25	66252845041	€000.00

HOW WILL IT BENEFIT YOU?

OPERATOR COMFORT

with reduced hand fatigue from less cutting vibration

LESS CUTTING TIME

with a sharper disc in two thicknesses for speed and life

LESS DOWNTIME & WASTE

with longer disc life using fewer discs






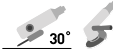

EXPERIENCE EXTRASMOOTH CUTTING ACTION, THANKS TO OUR PREMIUM CERAMIC GRAIN.

CUTTING-OFF & GRINDING WHEELS FOR METAL FABRICATION & WELDING

NORTON QUANTUM3 **+++++** INNOVATION
GRINDING WHEELS

- Self sharpening ceramic grain technology for high material removal and less grinding time
- Longer wheel life means less downtime and waste, fewer wheels needed
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Offers true savings in grinding processes




	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
 	 TYPE 27	115	7,0x22,23	NQ 24 P	10	66253371361	€000.00
		125	7,0x22,23	NQ 24 P	10	66253371362	€000.00
		150	7,0x22,23	NQ 24 P	10	66253371363	€000.00
		180	7,0x22,23	NQ 24 P	10	66253371364	€000.00
		230	7,0x22,23	NQ 24 P	10	66253371365	€000.00
 							
		125	7,0x22,23	NQ 24 N	10	66252839321	€000.00
		230	7,0x22,23	NQ 24 N	10	66252839322	€000.00



NORTON QUANTUM3
ULTRA THIN GRINDING WHEELS

- Fast grinding formula, gets the job done faster
- Improved grinding control ensures precise grinding accuracy
- Get to work in hard to reach areas like corners and grooves
- Smoother feel, reduced fatigue and improve operator comfort
- Boost the amperage on cordless grinders due to light weight / fast cutting



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
COMBINATION WHEELS							
 TYPE 27		115	4,2x22,23	NQ 24 R	20	66253371356	€000.00
		125	4,2x22,23	NQ 24 R	20	66253371357	€000.00
		150	4,2x22,23	NQ 24 R	20	66253371358	€000.00
		180	4,2x22,23	NQ 24 R	20	66253371359	€000.00
		230	4,2x22,23	NQ 24 R	20	66253371360	€000.00

UTG
ULTRA THIN
GRINDING

OMEGA **+++++**

- High performance aluminium oxide grain for fast and high material removal
- Superior bond system holds the grain for long wheel life, resulting in less wheel usage
- Ideal for heavy industrial use on all hard steel types and alloys



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41 	115	1,0x22,23	A 60 W	25	66253370025	€000.00
			1,6x22,23	A 46 W	25	66253370026	€000.00
		125	1,0x22,23	A 60 W	25	66253370029	€000.00
			1,6x22,23	A 46 W	25	66253370030	€000.00
		150	1,6x22,23	A 46 W	25	66253370033	€000.00
	TYPE 41 	180	1,6x22,23	A 46 W	25	66253370034	€000.00
			230	1,9x22,23	A 36 W	25	66253370036
		115	2,0x22,23	A 36 W	25	66253370027	€000.00
			2,5x22,23	A 36 W	25	66253370028	€000.00
		125	2,0x22,23	A 36 W	25	66253370031	€000.00
2,5x22,23			A 36 W	25	66253370032	€000.00	
180		2,0x22,23	A 36 W	25	66253370035	€000.00	
230		2,0x22,23	A 36 W	25	66253370037	€000.00	
		2,5x22,23	A 36 W	25	66253370039	€000.00	
TYPE 42 		115	2,5x22,23	A 36 W	25	66253370040	€000.00
	125	2,5x22,23	A 36 W	25	66253370041	€000.00	
	180	2,5x22,23	A 36 W	25	66253370043	€000.00	
	230	2,5x22,23	A 36 W	25	66253370044	€000.00	



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
COMBINATION WHEELS							
	TYPE 27 	125	4,0x22,23	A 24 S	10	66253370042	€000.00



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
	TYPE 27 	115	7,0x22,23	A 24 S	10	66253370045	€000.00
		125	7,0x22,23	A 24 S	10	66253370046	€000.00
		150	7,0x22,23	A 24 S	10	66253370047	€000.00
		180	7,0x22,23	A 24 S	10	66253370048	€000.00
		230	7,0x22,23	A 24 S	10	66253370050	€000.00

CUTTING-OFF & GRINDING WHEELS FOR METAL FABRICATION & WELDING

VULCAN

- Great price versus performance ratio
- Longer wheel life
- The general purpose range of cutting-off and grinding wheels

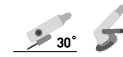


METAL
INOX





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	<p>TYPE 41</p> 	115	1,0x22,23	A 60 S	25	66252925431	£000.00
			1,6x22,23	A 46 S	25	66252925432	£000.00
			2,0x22,23	A 30 S	25	66252925437	£000.00
			2,5x22,23	A 30 S	25	66252925442	£000.00
			3,0x22,23	A 30 S	25	66252925447	£000.00
		125	1,0x22,23	A 60 S	25	66252925433	£000.00
			1,6x22,23	A 46 S	25	66252925434	£000.00
			2,0x22,23	A 30 S	25	66252925438	£000.00
			2,5x22,23	A 30 S	25	66252925443	£000.00
			3,0x22,23	A 30 S	25	66252925448	£000.00
		150	2,0x22,23	A 30 S	25	66252925439	£000.00
			2,5x22,23	A 30 S	25	66252925444	£000.00
		180	1,6x22,23	A 46 S	25	66252925435	£000.00
			2,0x22,23	A 30 S	25	66252925440	£000.00
			2,5x22,23	A 30 S	25	66252925445	£000.00
			3,0x22,23	A 30 S	25	66252925449	£000.00
		230	1,9x22,23	A 46 S	25	66252925436	£000.00
			2,0x22,23	A 30 S	25	66252925441	£000.00
	2,5x22,23	A 30 S	25	66252925446	£000.00		
	3,0x22,23	A 30 R	25	66252840202*	£000.00		
	3,0x22,23	A 30 S	25	66252925450	£000.00		
	100	3,2x22,23	A 30 S	25	66252835417*	£000.00	
	115	2,5x22,23	A 30 S	25	66252925490	£000.00	
		3,2x22,23	A 30 S	25	66252925494	£000.00	
	125	2,5x22,23	A 30 S	25	66252925491	£000.00	
<p>TYPE 42</p> 		3,2x22,23	A 30 S	25	66252925495	£000.00	
		150	3,2x22,23	A 30 S	25	66252925496	£000.00
		180	2,5x22,23	A 30 S	25	66252925492	£000.00
			3,2x22,23	A 30 S	25	66252925497	£000.00
		230	2,5x22,23	A 30 S	25	66252925493	£000.00
			3,2x22,23	A 30 S	25	66252925498	£000.00

* Made-to-order



METAL INOX

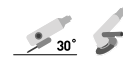


	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
 		100	6,4x16,0	A 30 S	10	66252926667*	£000.00
		115	4,0x22,23	A 30 S	10	66252925518*	£000.00
			6,4x22,23	A 30 S	10	66252925522	£000.00
		125	4,0x22,23	A 30 S	10	66252925519	£000.00
			6,4x22,23	A 30 S	10	66252925523	£000.00
			8,0x22,23	A 30 S	10	66252925524	£000.00
		150	6,4x22,23	A 30 S	10	66252925525	£000.00
		180	10,0x22,23	A 30 S	10	66252925528	£000.00
			4,0x22,23	A 30 S	10	66252925520	£000.00
			6,4x22,23	A 30 S	10	66252925526	£000.00
			8,0x22,23	A 30 S	10	66252925527	£000.00
		230	4,0x22,23	A 30 S	10	66252925521	£000.00
			6,4x22,23	A 30 S	10	66252925529	£000.00
			8,0x22,23	A 30 S	10	66252925530	£000.00

* Made-to-order



VULCAN FAST CUT

- For use on low power machines
- Medium and hard steel types



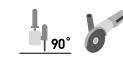
METAL INOX



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
 		115	6,4x22,23	A 30 P	10	66252830803	£000.00
		125	6,4x22,23	A 30 P	10	66252830804	£000.00
		180	6,4x22,23	A 30 P	10	66252830805	£000.00
			8,0x22,23	A 30 P	10	66252830806*	£000.00
		230	6,4x22,23	A 30 P	10	66252830807	£000.00




* Made-to-order

VULCAN

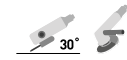


INOX





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
 		115	1,0x22,23	A 60 T Inox	25	66252833400	£000.00
			1,6x22,23	A 46 T Inox	25	66252833401	£000.00
		125	1,0x22,23	A 60 T Inox	25	66252833402	£000.00
			1,6x22,23	A 46 T Inox	25	66252833403	£000.00
			2,5x22,23	A 30 S Inox	25	66252833409	£000.00
		150	1,6x22,23	A 46 T Inox	25	66252833404	£000.00
		180	1,6x22,23	A 46 T Inox	25	66252833405	£000.00
		230	1,9x22,23	A 46 T Inox	25	66252833406	£000.00
			2,5x22,23	A 30 S Inox	25	66252925427	£000.00
			115	2,5x22,23	A 30 S Inox	25	66252925486*
	125		2,5x22,23	A 30 S Inox	25	66252925487	£000.00
	230		2,5x22,23	A 30 S Inox	25	66252925489	£000.00

CUTTING-OFF & GRINDING WHEELS FOR METAL FABRICATION & WELDING






INOX

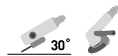
	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
		115	6,4x22,23	A 30 S Inox	10	66252925513	£000.00
		125	6,4x22,23	A 30 S Inox	10	66252925514	£000.00
		180	6,4x22,23	A 30 S Inox	10	66252925516	£000.00
		230	6,4x22,23	A 30 S Inox	10	66252925517	£000.00





STONE

	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
		115	3,0x22,23	C 30 R	25	66252925452	£000.00
		125	3,0x22,23	C 30 R	25	66252925453	£000.00
		230	3,0x22,23	C 30 R	25	66252925456	£000.00
		115	3,2x22,23	C 30 R	25	66252925500	£000.00
		125	3,2x22,23	C 30 R	25	66252925501	£000.00
		180	3,2x22,23	C 30 R	25	66252925502*	£000.00
	230	3,2x22,23	C 30 R	25	66252925503	£000.00	

* Made-to-order



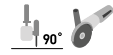
STONE

	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
		115	6,4x22,23	C 30 R	10	66252925533	£000.00
		125	6,4x22,23	C 30 R	10	66252925534	£000.00
		180	6,4x22,23	C 30 R	10	66252925535	£000.00
		230	6,4x22,23	C 30 R	10	66252925537	£000.00



STARLINE

- General trade product
- Complete range of most used products



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE	
CUTTING-OFF WHEELS								
	TYPE 41 	115	1,0x22,23	A 60 R	25	66252837243	£000.00	
				1,0x22,23	A 60 R - SET**	10	66252837575*	£000.00
		125	1,0x22,23	A 60 R	25	66252837245	£000.00	
				1,0x22,23	A 60 R - SET**	10	66252837576	£000.00
				1,6x22,23	A 46 R	25	66252837246	£000.00
				1,6x22,23	A 46 R - SET**	10	66252837577*	£000.00
		180	1,6x22,23	A 46 R	25	66252837247	£000.00	
230	2,0x22,23	A 36 R	25	66252837248	£000.00			

** Minimum order quantity - 20 sets
* Made-to-order



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41 	115	2,5x22,23	A 30 P	25	66252837249*	£000.00
		125	2,5x22,23	A 30 P	25	66252837250	£000.00
		180	2,5x22,23	A 30 P	25	66252837251	£000.00
		230	2,5x22,23	A 30 P	25	66252837253	£000.00
		TYPE 42 	115	3,0x22,23	A 30 P	25	66252837275*
125	3,0x22,23		A 30 P	25	66252837276	£000.00	
180	3,0x22,23		A 30 P	25	66252837277	£000.00	
230	3,0x22,23		A 30 P	25	66252837278	£000.00	

* Made-to-order



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
	TYPE 27 	115	6,0x22,23	A 24 Q	10	66252837263	£000.00
		125	6,0x22,23	A 24 Q	10	66252837264	£000.00
		180	6,0x22,23	A 24 Q	10	66252837268	£000.00
		230	6,0x22,23	A 24 Q	10	66252837269	£000.00

NORTON
SAINT-GOBAIN

123
ALL IN ONE

++++

A46S - BF27

MAX:
12,250 rpm
80 m/s

acier, stahl,
acciaio,
p, inox

ENE C

Saint-Gobain Abrasives,
Rue de l'Ambassadeur,
78702 Conflans,
France

46803

1-2-3

THE ALL IN ONE SOLUTION

- Cut, grind and finish with one wheel
- No lost time due to wheel changing
- Fine grit for a good, uniform finish
- Three layers of reinforcement for maximum safety in use

TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
COMBINATION WHEELS						
	115	2,2x22,23	A 46 S	25	66252829704	€000.00
	125	2,2x22,23	A 46 S	25	66252921592	€000.00

NORTON
SAINT-GOBAIN

MULTI MATERIAL

++++

C46T - BF41

MAX:
12,250 rpm
80 m/s

ALU METAL INOX
STONE C.TILES PVC

ENE C

Saint-Gobain Abrasives
European Headquarters
Rue de l'Ambassadeur -
B.P. 8, 78702 Conflans
Cedex France

66298

MULTI MATERIAL

- One wheel for all materials
- No lost time due to wheel changing
- The easy choice in general trade
- Quick, comfortable and versatile

TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE	
CUTTING-OFF WHEELS							
	115	1,0x22,23	C 60 T	25	66252833258	€000.00	
		1,6x22,23	C 46 T	25	66252828951	€000.00	
	125	1,0x22,23	C 60 T	25	66252918924	€000.00	
		1,6x22,23	C 46 T	25	66252828952	€000.00	
		180	1,6x22,23	C 46 T	25	66252926730	€000.00
		230	1,9x22,23	C 46 T	25	66252918925	€000.00

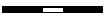



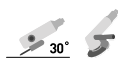
ALU

- Specially developed grain and bond system, designed to cut through aluminium and non-ferrous metals without clogging
- Counteracts loading and wheel glazing for fast, easy and free cutting action on all non ferrous material




ALU

TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS						
TYPE 41 	115	1,0x22,23	A 60 Q	25	66252828236	€0.00
		1,6x22,23	A 46 Q	25	66252828233	€0.00
	125	1,0x22,23	A 60 Q	25	66252828237	€0.00
		1,6x22,23	A 46 N	25	66252839270	€0.00
		1,6x22,23	A 46 Q	25	66252828234	€0.00
		2,5x22,23	A 36 Q	25	66252828227	€0.00
180	2,5x22,23	A 36 Q	25	66252828229	€0.00	
230	1,9x22,23	A 46 N	25	66252839271	€0.00	
	1,9x22,23	A 46 Q	25	66252828235	€0.00	
TYPE 42 	230	3,0x22,23	A 36 Q	25	66252828231	€0.00



ALU

TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS						
TYPE 27 	125	7,0x22,23	A 36 Q	10	66252828228	€0.00
	180	7,0x22,23	A 36 Q	10	66252828230	€0.00
	230	7,0x22,23	A 36 Q	10	66252828232	€0.00

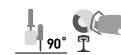


CUTTING-OFF & GRINDING WHEELS FOR RAIL

The Norton Rail range provides high performance wheels for demanding operations. Rail cutting requires precision, speed and power and Norton Rail is a complete program of cutting wheels suitable for any rail type (subway, tram, train) and any rail cutting machine with a clamping device (electrical and petrol).

NEW NORTON QUANTUM3 RAIL **+++++** INNOVATION

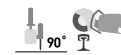
- The safest product to use in rail currently
- No burning, clean quick cutting
- Norton Quantum3 Rail is your first ever Ceramic Grain Rail cutting wheel, giving it speeds beyond comparison
- Life and Speed combined, do the job is less time and with less effort



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41	356	4.0x25,4	NQ24Q	10	66252845406	€000.00

RAIL **+++++** INNOVATION


- For a precise, straight and fast cut on rail, tram and subway track
- Hard, medium and soft wheels available
- Low vibration, consistent performance throughout wheel life
- High quality cut to help generate a perfect weld



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41	350	4,0x25,4	ZA 24 Q Zirconia	10	66252830924	€000.00
		400	4,0x25,4	ZA 24 Q Zirconia	10	66252833665	€000.00

RAIL **++++**



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41	350	4,0x25,4	ZA 24 T Zirconia	10	66252832744	€000.00
			4,0x25,4	A 24 T Hard	10	66252829588	€000.00
			4,0x25,4	A 24 P Soft	10	66252828620	€000.00
			4,0x25,4	A 24 Q Medium	10	66252833554	€000.00
		400	4,0x25,4	A 24 P Soft	10	66252919130	€000.00



CUTTING-OFF & GRINDING WHEELS FOR FOUNDRY

Cast iron used in foundry applications requires a specific type of cutting and grinding wheel to achieve a quick and clean cut. Norton Foundry X has been designed to remove the maximum material in the shortest time. Premium zirconia grains and heavy reinforcements ensure that Norton Foundry X performs on the most powerful machines and under pressure in the toughest circumstances.

FOUNDRY X **++++**

- Coarse zirconia grain for rough applications in the toughest environment
- Comfortable to use thanks to reduced vibration, a highly stable wheel
- The quickest way to cut castings on both electrical and high frequency grinders



METAL INOX
CAST IRON



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
	TYPE 41 	230	2,5x22,23	ZA24R FOUNDRY X	25	66252839355	€000.00
			2,5x22,23	ZAC24S FOUNDRY X	25	66252839350	€000.00
			3,4x22,23	ZAC24S FOUNDRY X	25	66252839351	€000.00
	TYPE 42 	125	3,4x22,23	ZA30S FOUNDRY X	25	66252839391	€000.00
			230	2,5x22,23	ZA24R FOUNDRY X	25	66252839356
		3,4x22,23		ZA20T FOUNDRY X Hard	25	66252839347	€000.00
		3,4x22,23		ZA30S FOUNDRY X Medium	25	66252839348	€000.00
		3,4x22,23		ZA24R FOUNDRY X Soft	25	66252839349	€000.00



METAL INOX
CAST IRON



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
	TYPE 27 	230	4,0x22,23	ZA30S FOUNDRY X	25	66252839352	€000.00
			4,5x22,23	ZA30S FOUNDRY X	25	66252839354	€000.00



CUTTING-OFF & GRINDING WHEELS FOR FOUNDRY

FOUNDRY X **++++**

- New 180mm and 230mm Foundry X wheels are made with 4 layers of reinforcement to work under the highest side pressure without the risk of breakage
- For use on High Frequency machines for use in enduring applications in the toughest environments



METAL INOX
CAST IRON

	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
	 TYPE 27	125	7,0x22,23	ZA24T LONG LIFE	10	66253371176	£000.00
		180	7,0x22,23	ZA24T LONG LIFE	10	66253371162	£000.00
			7,0x22,23	ZA20R COMFORT	10	66253370493	£000.00
		230	7,0x22,23	AC24Q FOUNDRY X	10	66252839353	£000.00
			7,0x22,23	ZA24T LONG LIFE	10	66253371175	£000.00
			7,0x22,23	ZA20R COMFORT	10	66252842546	£000.00





High Frequency machines will not reduce in revolutions when grinding pressure is increased. When using high pressure on standard or non-reinforced wheels and machines, the risk of wheel breakage is high. Also, under low pressure, non-reinforced wheels can show cracks due to fatigue within the abrasive running at high revolutions. High Frequency reinforced grinding wheels ensure safe working conditions in all circumstances.

DIALAST **++++** INNOVATION

- Long product life reduces downtime and wheel changes, reducing cost and increasing throughput
- Reduces dust and debris as fewer sparks are generated, minimising clean-up
- Diamond grit brazed to the face of the steel core decreases the risk of breakage for safer grinding





METAL INOX
CAST IRON

	TYPE	DIA (mm)	BORE (mm)	SPEC	PK QTY	ART NO.	PRICE
COMBINATION WHEELS							
	 TYPE 27	180	22,23	T27 G36	1	70184602080	£000.00
			22,23	T27 G50	1	70184602078	£000.00
		230	22,23	T27 G36	1	70184602081	£000.00
			22,23	T27 G50	1	70184602079	£000.00



METAL INOX
CAST IRON

	TYPE	DIA (mm)	BORE (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
	 TYPE 29	115	22,23	T29 G24	1	70184602070	£000.00
			22,23	T29 G50	1	70184602074	£000.00
		125	22,23	T29 G24	1	70184602071	£000.00
			22,23	T29 G50	1	70184602075	£000.00
		180	22,23	T29 G24	1	70184602072	£000.00
			22,23	T29 G50	1	70184602076	£000.00
		230	22,23	T29 G24	1	70184602073	£000.00
			22,23	T29 G50	1	70184602077	£000.00

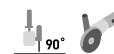


CUTTING-OFF & GRINDING WHEELS FOR OFFSHORE & OIL INDUSTRY

The Norton Oil & Gas range has been specially designed for the most demanding applications and off-shore environments. The range is characterized by safety, performance and reliability.



OIL & GAS **++++**

- Long wheel life even in extreme, high pressure applications
- High material removal on high alloys and special steels
- Improved user comfort and supreme safety for use in maintenance and repair applications in off-shore and oil industries



METAL INOX





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41 	115	1,0x22,23	A 60 T	25	66252844792	€000.00
		125	1,0x22,23	A 60 T	25	66252844794	€000.00
			1,6x22,23	A 46 T	25	66252844795	€000.00
			2,5x22,23	A 46 T	25	66252844910	€000.00
		180	1,6x22,23	A 46 T	25	66252844796	€000.00
			2,5x22,23	A 46 T	25	66252844911	€000.00
		230	1,9x22,23	A 36 T	25	66252844797	€000.00
			2,5x22,23	A 36 T	25	66252844912	€000.00



METAL INOX





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
GRINDING WHEELS							
	TYPE 27 	125	7,0x22,23	A 24 Q	25	66252844789	€000.00
		180	7,0x22,23	A 24 Q	25	66252844790	€000.00
		230	7,0x22,23	A 24 Q	25	66252844791	€000.00



METAL INOX



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
COMBINATION WHEELS							
	TYPE 27 	125	4,0x22,23	A 24 T	25	66252844815	€000.00
		180	4,0x22,23	A 24 T	25	66252844835	€000.00



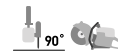
CUTTING-OFF WHEELS FOR PETROL SAWS


Norton's cutting wheels for petrol saws provide high value and high performance in construction and demolition.

VULCAN **++++**

- General purpose cutting-off wheels for all petrol saw applications

- Straight, fast cutting throughout long wheel life



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41	300	3,5x20,0	A 30 S	10	66252925457	£000.00
			3,5x22,23	A 30 S	10	66252925458*	£000.00
			3,5x25,4	A 30 S	10	66252925459*	£000.00


* Made-to-order

NORLINE **++++**

- Large diameter wheels for cutting steel, stone, brick and concrete

- Straight, fast cutting throughout long wheel life



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41	350	3,8x20,0	A 24 T	10	66252829915	£000.00
			3,8x22,23	A 24 T	10	66252829916	£000.00




CUTTING-OFF WHEELS FOR CHOP SAWS

Norton's cutting wheels for chop saws provide high value and high performance in construction, fabrication, foundry and maintenance industries.

VULCAN **++++**

- Clean and straight cutting on portable chop saws and fixed machines
- Mechanical reinforcement for cutting metal and inox safely



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
	TYPE 41	300	2,8x25,4	A 30 S	10	66252925460*	£000.00
		350	3,0x25,4	A 30 S	10	66252925462	£000.00
			3,0x32,0	A 30 S	10	66252925463*	£000.00
		400	3,2x25,4	A 30 S	10	66252925464*	£000.00
			3,2x32,0	A 30 S	10	66252925465*	£000.00

* Made-to-order



CUTTING-OFF WHEELS FOR STATIONARY MACHINES

Norton's cutting wheels for stationary machines provide high value and high performance in construction, fabrication and foundry industries.

VULCAN **++++**

- Long wheel life with quick and free cutting
- Cuts without burning, blueing or splintering the metal
- Use under constant power in heavy cut-off applications
- Double, full external mechanical reinforcement for excellent safety and stability




	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
		350	4,0x32,0	C 30 R	10	66252925483	£000.00
		400	4,5x32,0	C 30 R	10	66252925484	£000.00
TYPE 41		300	3,0x32,0	A 30 S	10	66252925466	£000.00
			3,0x32,0	A 30 S	10	66252925475	£000.00
			3,5x32,0	A 30 S	10	66252925468	£000.00
		350	3,5x25,4	A 30 S	10	66252925469	£000.00
			3,5x32,0	A 30 S	10	66252925470	£000.00
		400	4,0x25,4	A 30 S	10	66252925472	£000.00
			4,0x25,4	A 30 S	10	66252925477	£000.00
			4,0x32,0	A 30 S	10	66252925473	£000.00
			4,0x32,0	A 30 S	10	66252925478	£000.00
			4,5x32,0	A 30 S	10	66252925474	£000.00

STARLINE

- Dedicated for steel
- Good price/quality ratio
- Stable cut





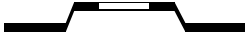
METAL 

	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	PRICE
CUTTING-OFF WHEELS							
		300	3,0x32,0	A 30 R	10	66252843841	£000.00
	TYPE 41	350	3,5x32,0	A 30 R	10	66252843842	£000.00
		400	4,0x32,0	A 30 R	10	66252843843	£000.00



TECHNICAL INFORMATION

SHAPE SPECIFICATION SYSTEM

BF 27	BF 41	BF 42
		
DEPRESSED CENTRE GRINDING WHEELS	FLAT CUTTING-OFF WHEELS	DEPRESSED CENTRE CUTTING-OFF WHEELS
Available in diameters 76-230mm for hand-held machines.	Available in diameters 50-400mm for hand-held machines & 250-400mm for stationary machines.	Available in diameters 76-230mm for hand-held machines.
Application: grinding	Application: cutting-off	Application: cutting-off

METAL RING WITH VALIDITY DATE

V = VALIDITY DATE (PRODUCTION QUARTER + 3 YEAR)











V01	V04	V07	V10
1st quarter	2nd quarter	3rd quarter	4th quarter

EXAMPLE:

V04/2021 indicates production in the 2nd quarter of 2018 and advised usage before the 2nd quarter of 2021

PERSONAL PROTECTION

Safety goggles, ear defenders, safety gloves, dust masks and, if conditions are severe, additional face protection. Leather aprons and safety shoes must be worn.

								
Mouth Protection	Wear Gloves	Eye Protection	Ear Protection	Read Instructions	Damaged Wheel – Do Not Use	Do not Grind	Dry	Do not use free handed

GENERAL PRECAUTIONS

Safety instructions provided by the machine manufacturers must be followed. Where fitted, all guards, covers and hoods must be in place on the machine during grinding, and should not be modified in any way. Abrasives should not be used near inflammable material or in an environment where there is a risk of explosion.



Sparks should be directed away from the face and body, if possible towards the floor. Dust extraction equipment must be used whenever it is available. The instructions for use given by the abrasive manufacturer must be followed e.g. 'Not to be used without a support', or 'Not to be used for wet grinding'. The workpiece must be firmly fixed before grinding starts. Check all abrasives visually before use and make certain that the product is suitable for the application. No modifications should be made to abrasive products after delivery.

When using a portable grinder always switch it off and allow the spindle to stop completely before putting the tool down.

OPERATING SPEEDS

Norton products are designed and tested for certain applications and operating speeds. Choose a wheel suitable for the application material. Suitable materials are indicated on the wheel label. Before mounting the grinding or cutting-off wheel on the machine, ensure that the operating speed of the machine does not exceed the maximum operating speed as it is marked on the product.

WHEEL DIAMETER (mm)	SPEED CONVERSION FOLLOWING EN 12413	
	MAXIMUM OPERATING SPEED (RPM) for resinoid bonded cutting-off & grinding wheels in handheld and stationary operations	
	80	100
50/51	30600	38200
63/65	24300	30250
76	20150	25150
100/102	15300	19100
115	13300	16650
125	12250	15300
150/152	10200	12700
180	8500	10650
230	6650	8350
250/254	6150	7650
300/305	5100	6400
350/356	4400	5500
400/406	3850	4800

SAFETY ADVICE

DOs

Always handle & store wheels carefully. Cutting-off wheels should be stacked horizontally & flat, preferably on a steel base plate. Depressed centre wheels should be placed on top of each other or stored in the original packaging
Always visually inspect all wheels before mounting for possible damage in transit
Always use a safety guard & ensure that it is correctly positioned & securely fitted. It should cover at least one half of the wheel & protect the operator in the unlikely event of a wheel breakage. NON-REINFORCED CUTTING-OFF WHEELS SHOULD ONLY BE USED ON FIXED MACHINES & SHOULD BE CORRECTLY GUARDED.
Always switch 'OFF' the power at supply source &/or remove the plug from the socket before changing the wheel
Always ensure that the spindle speed of the machine does not exceed the operating speed marked on the wheel
Always use the correct wheel mounting flanges & ensure that they are undamaged, clean & free from burrs
SEE EN 12413
Allow newly mounted wheels to run at operating speed, with the guard in place, for a reasonable time before cutting or grinding
Always wear EYE PROTECTION
Always wear appropriate safety clothing such as DUST MASK, GLOVES, EAR PROTECTION, OVERALLS & SAFETY SHOES
Always have machine speeds checked regularly, especially after maintenance or repair. Machines fitted with speed control devices (Governors), must be properly maintained at all times
Check tension of driving belts, where fitted, on a regular basis. Belts must be kept tight to ensure full power transmission.
Always secure the workpiece firmly while it is being cut or ground
Put portable machines in suitable cradles, when not being used, to avoid damage to the wheel
Always use a portable machine in a comfortable position, where the workpiece is well balanced & the machine is well supported
Grind at an angle above 30 degrees to the workpiece with a depressed centre grinding wheel
Keep the working area around cutting & grinding operations clear. It is very dangerous if an operator trips & falls with an operating machine in his hands

DON'Ts

Handle wheels roughly
Use non-reinforced cutting-off wheels on portable machines
Store wheels in a damp atmosphere or in extreme temperatures
Mount a damaged wheel
Tighten the mounting nut or locking flange excessively. To do so can distort the flanges
Force a wheel onto a machine spindle
Use mounting flanges which are incorrect, damaged, dirty or burred
Use blotters with depressed centre wheels less than or equal to 406mm (EN 12413)
Use a machine which is not in good mechanical condition
Use a machine without a wheel guard
Use wheels without proper ventilation or dust protection equipment
Apply side pressure to cutting-off wheels. You should not bend the wheel
Stop the wheel by applying pressure to the periphery or face. Always switch the machine off & allow the wheel to stop revolving
Allow the wheel to be trapped or pinched in the cut
Apply excessive pressure onto the wheel so that the driving motor slows down
Grind on the side of cutting-off wheels or depressed centre wheels below 4,0mm thickness
Drop or lower a portable machine by the cable or airline onto the floor. A wheel can be easily cracked, if it is put down hard, by the weight of the machine. This is a common cause of wheel breakage
Grind with a depressed centre grinding wheel at an angle below 30 degrees to the workpiece
Use a machine in a position where you do not have full control of the machine & you are not well balanced