

CUTTING DISCS & GRINDING WHEELS

Introduction	12	CUTTING DISCS	33-35
		for Petrol Saws	33
CUTTING DISCS & GRINDING WHEELS	14-32	for Chop Saws	34
for Metal Fabrication & Welding	14	for Stationary Machines	35
for Rail	27		
for Foundry	31	Technical Information	36

CUTTING DISCS & GRINDING WHEELS FOR METAL FABRICATION & WELDING

INTRODUCTION

The Norton range of Cutting Discs 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.

UNDERSTANDING THE PRODUCT

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



PRODUCT SELECTION GUIDE

CUTTING DISCS FOR ANGLE AND STRAIGHT GRINDERS

Highly recommended 🗸	C	1	6	C .		(=)	121	ALL US.	MUL	77 20-10 20-10
MATERIALS	NORTON QUANTUM3	X-TREME PRO	X-TREME	VULCAN	FOUNDRY X	RAIL	STARLINE	1-2-3	ALU	MULTI MATERIAL
	INNOVATION	+++++	-	++++	++++	++++	++++			
Steel / construction steel		<u> </u>	/		<u> </u>	/		<u> </u>		
Low alloy	√	✓	✓	✓	✓	✓	✓	√		-
High alloy	✓	1	/					1		
Thin sheets, plates, profiles	✓	1	✓	1			✓	1		✓
Stainless steel / inox	✓	✓	✓	✓				1		✓
Cast iron					1					
Non ferrous									✓	1
Titanium	1								✓	1
Stone concrete										1
Tiles / ceramics										1
Rail hard grade						✓				
Rail medium grade						✓				
Rail soft grade						✓				
Glass ceramics PVC										✓



PRODUCT SELECTION GUIDE

GRINDING WHEELS FOR ANGLE GRINDERS

Highly recommended ✓	8	5		Francy O	C III	C un		
MATERIALS	NORTON QUANTUM3	X-TREME	VULCAN	FOUNDRY X	STARLINE	1-2-3	ALU	MULTI MATERIAL
	INNOVATION	+++++	++++	++++	++++			
Steel / construction steel	✓	✓	✓	✓	✓	✓		✓
Low alloy	✓	✓	✓	✓	✓	✓		✓
High alloy	✓	1						
Thin sheets, plates, profiles	✓	1	✓		✓			✓
Stainless steel / inox	✓	✓	✓			1		1
Cast iron				1				
Non ferrous							1	1
Titanium	✓		✓				1	✓
Stone concrete			✓					✓
Tiles / ceramics			✓					✓
Glass ceramics PVC			✓					1





CUTTING DISCS & 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 QUANTUM3 INNOVATION

CUTTING DISCS

- 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
- 1,3mm thickness is ideal for pipe cutting
- Ceramic grains give this wheel it's unique character. 1,0mm 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.
CUTTING DISCS						
	TYPE 41	115	1,0x22,23*	NQ 60 ZZ	25	66253371347
			1,3x22,23*	NQ 60 ZZ	25	66253371348
			1,6x22,23*	NQ 46 ZZ	25	66253371349
11		125	1,0x22,23*	NQ 60 ZZ	25	66253371350
Canaline Control of the Control of t			1,3x22,23*	NQ 60 ZZ	25	66253371351
			1,6x22,23*	NQ 46 ZZ	25	66253371352
17/25	TYPE 42	115	0,8x22,23	NQ 60 ZZ	25	66252846642
		125	0,8x22,23	NQ 60 ZZ	25	66252846643

* X-TEND included



AIRTIGHT PACKAGING

Stops atmosphere and weather elements eroding product performance

DESICCANT POUCH

Holds thousands of tiny pores that absorb and trap moisture in

X-TEND PERFORMANCE

than standard packaging



NORTON QUANTUM3 INNOVATION

CUTTING DISCS

- 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





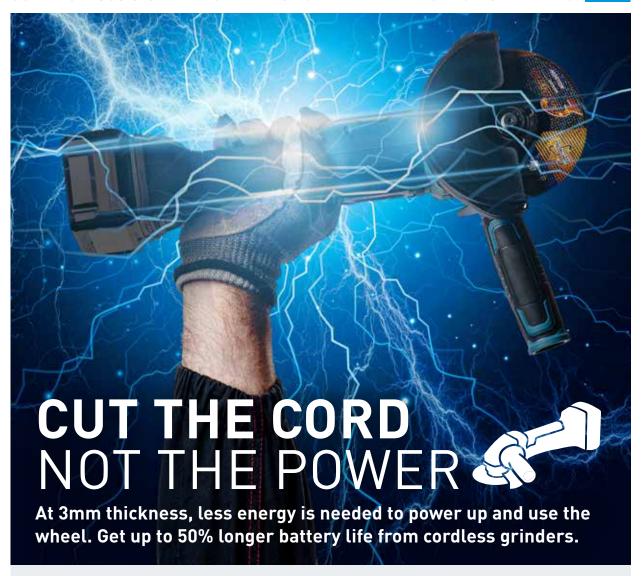




	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
OUNHILIS		125	2,0x22,23	NQ 36 Y	25	66252848856
	TYPE 41		2,5x22,23	NQ 24 P	25	66252845954
		150	2,5x22,23	NQ 24 P	25	66252846123
		230	2,5x22,23	NQ 24 P	25	66252846173
Market State		125	2,5x22,23	NQ 24 P	25	66252832258
**************************************	TYPE 42	150	2,5x22,23	NQ 24 P	25	66252846125
		180	2,5x22,23	NQ 24 P	25	66252845041
		230	2,5x22,23	NQ 24 P	25	66252846174
L was-mi		230 125 150 180	2,5x22,23 2,5x22,23 2,5x22,23 2,5x22,23 2,5x22,23	NQ 24 P	25 25 25 25 25 25	66252846123 66252846173 66252832258 66252846125 66252845041



CUTTING DISCS & GRINDING WHEELS FOR METAL FABRICATION & WELDING



NORTON QUANTUM3 INNOVATION



LIGHT COMFORT GRINDING

- Ideal for light grinding on thin walled workpieces
- Combines speed and precision in grinding, deburring and bevelling
- At 3mm thickness, less energy is needed to power up and use the wheel
- Boost the amperage on cordless grinders due to light weight / fast cutting
- Self-sharpening ceramic grain technology for fast material removal resulting in less grinding time













	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
	TYPE 27	115	3,0x22,23	NQ 30 S	10	66252846608
OUAPTURE STOR		125	3,0x22,23	NQ 30 S	10	66252846609



NORTON QUANTUM3 INNOVATION



GRINDING WHEELS

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





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
CHARTCH STATE AND THE STATE AN		115	7,0x22,23	NQ 24 P	10	66253371361
		125	7,0x22,23	NQ 24 P	10	66253371362
	TYPE 27	150	7,0x22,23	NQ 24 P	10	66253371363
						INOX (
		125	7,0x22,23	NQ 24 N	10	66252839321

NORTON QUANTUM3 INNOVATION



HIGH FREQUENCY GRINDING WHEELS

- Optimised wheel for use on high frequency machines under high pressure, extra safe in all working conditions
- Self sharpening ceramic grain technology for high material removal and less grinding time
- More comfortable to use with reduced hand fatigue from less cutting vibration
- Longer wheel life means less downtime and waste, fewer wheels needed







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
OUANTUM T		180	7,0x22,23	NQ 24 P	10	66253371364
		230	7,0x22,23	NQ 24 P	10	66253371365
	TYPE 27					
ACOUNTRY OF THE PARTY OF THE PA	~~			F		NOX P
		230	7,0x22,23	NQ 24 N	10	66252839322



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.

CUTTING DISCS & GRINDING WHEELS FOR METAL FABRICATION & WELDING

NORTON QUANTUM3 INNOVATION

COMBINATION CUTTING & GRINDING WHEEL

- Fast grinding formula, gets the job done quickly Smoother feel, reduced fatigue and
- Improved grinding control ensures precision and accuracy
- Easy access in hard-to-grind areas, corners and inside tight grooves
- improved operator comfort
- Boost the amperage on cordless grinders due to light weight / fast cutting
- Ideal for pipe cutting





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
COMBINATION WHEELS						
Andrew Co.		115	4,2x22,23	NQ 24 R	20	66253371356*
OUANTUIN	TVDE 27	125	4,2x22,23	NQ 24 R	20	66253371357
	TYPE 27	150	4,2x22,23	NQ 24 R	20	66253371358
UTG FINANCIAL STATE STAT		180	4,2x22,23	NQ 24 R	20	66253371359
		230	4,2x22,23	NQ 24 R	20	66253371360

^{*} Made-to-order

NEW X-TREME PRO +++++



- Long life reduces overall process cost, with more cuts per disc
- · Fast, straight, clean and burr free cutting reduces the need for rework
- Choose Norton X-treme Pro for jobs that require that extra cutting performance







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
		115	1.0x22.23	ZA60X	25	66252846978
		125	1.0x22.23	ZA60X	25	66252846979
			1.6x22.23	ZA46X	25	66252846980
() 37	TYPE 41		2.0x22.23	ZA36X	25	66252846981
A STATE OF THE STA		150	1.6x22.23	ZA46X	25	66252846982
		180	1.6x22.23	ZA46X	25	66252846983
		230	1.9x22.23	ZA46X	25	66252846984







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
		125	4,2x22.23	A30V	25	66252846985
	TYPE 27		7,0x22.23	A30V	25	66252846986
		150	7,0x22.23	A30V	25	66252846987
		180	4,2x22.23	A30V	25	66252846988
			7,0x22.23	A30V	25	66252846989
		230	7,0x22.23	A30V	25	66252846990



X-TREME

- 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 erosion

• Ideal for heavy industrial use on all hard steel types and alloys



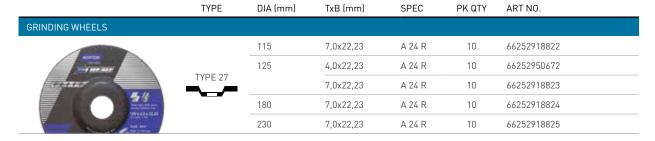




	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
		115	1,0x22,23	A 60 V	25	66252919427
			1,6x22,23	A 46 V	25	66252920339
27 27 20 20 20 20 20 20 20 20 20 20 20 20 20			2,0x22,23	A 36 V	25	66252920340
			2,5x22,23	A 36 V	25	66252921564
		125	1,0x22,23	A 60 V	25	66252920341
			1,6x22,23	A 46 V	25	66252920342
			2,0x22,23	A 36 V	25	66252920343
	TYPE 41		2,5x22,23	A 36 V	25	66252920350
		150	1,6x22,23	A 46 V	25	66252920344
			2,5x22,23	A 46 V	25	66252848817
		180	1,6x22,23	A 46 V	25	66252920345
			2,0x22,23	A 36 V	25	66252920346
		230	1,9x22,23	A 36 V	25	66252920348
			2,0x22,23	A 36 W	25	66252920360
			2,5x22,23	A 36 V	25	66252920349
_		115	2,5x22,23	A 36 V	25	66252921567
	TYPE 42	125	2,5x22,23	A 36 V	25	66252918816
		180	3,2x22,23	A 24 R	25	66252918820
		230	2,5x22,23	A 36 V	25	66252918818







CUTTING DISCS & GRINDING WHEELS FOR METAL FABRICATION & WELDING

VULCAN

• Great price versus performance ratio

• The general purpose range of cutting discs and grinding wheels







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
		115	1,0x22,23	A 60 S	25	66252925431
VIIICAN			1,6x22,23	A 46 S	25	66252925432
			2,0x22,23	A 30 S	25	66252925437
7.4			2,5x22,23	A 30 S	25	66252925442
115.228.2723			3,0x22,23	A 30 S	25	66252925447
THE RESERVE TO SERVE		125	1,0x22,23	A 60 S	25	66252925433
00000000			1,6x22,23	A 46 S	25	66252925434
THE STATE OF THE S			2,0x22,23	A 30 S	25	66252925438
			2,5x22,23	A 30 S	25	66252925443
			3,0x22,23	A 30 S	25	66252925448
	TYPE 41	150	2,0x22,23	A 30 S	25	66252925439
			2,5x22,23	A 30 S	25	66252925444
		180	1,6x22,23	A 46 S	25	66252925435
			2,0x22,23	A 30 S	25	66252925440
			2,5x22,23	A 30 S	25	66252925445
			3,0x22,23	A 30 S	25	66252925449
		230	1,9x22,23	A 46 S	25	66252925436
			2,0x22,23	A 30 S	25	66252925441
			2,5x22,23	A 30 S	25	66252925446
			3,0x22,23	A 30 R	25	66252840202
			3,0x22,23	A 30 S	25	66252925450
		100	3,2x22,23	A 30 S	25	66252835417*
		115	2,5x22,23	A 30 S	25	66252925490
			3,2x22,23	A 30 S	25	66252925494
		125	2,5x22,23	A 30 S	25	66252925491
	TYPE 42		3,2x22,23	A 30 S	25	66252925495
		150	3,2x22,23	A 30 S	25	66252925496
		180	2,5x22,23	A 30 S	25	66252925492
			3,2x22,23	A 30 S	25	66252925497
		230	2,5x22,23	A 30 S	25	66252925493
			3,2x22,23	A 30 S	25	66252925498

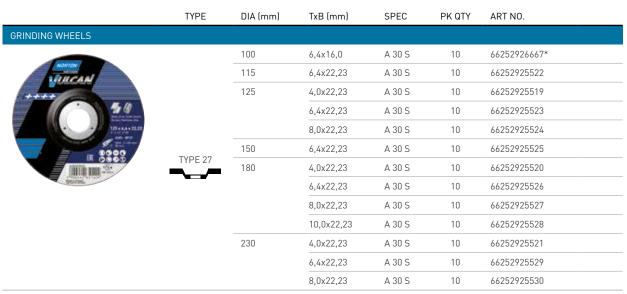
^{*} Made-to-order











^{*} Made-to-order

VULCAN FAST CUT



- For use on low and medium power machines
- Hard steel types

11	METAL	4 , 4
30°	INOX	MA

	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
NUCAN		115	6,4x22,23	A 30 P	10	66252830803
	TYPE 27	125	6,4x22,23	A 30 P	10	66252830804
++++		180	6,4x22,23	A 30 P	10	66252830805
54		230	6,4x22,23	A 30 P	10	66252830807

VULCAN

• Dedicated for stainless steel







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
		115	1,0x22,23	A 60 T Inox	25	66252833400
VILLAN			1,6x22,23	A 46 T Inox	25	66252833401
		125	1,0x22,23	A 60 T Inox	25	66252833402
- 4			1,6x22,23	A 46 T Inox	25	66252833403
1911/123	TYPE 41		2,5x22,23	A 30 S Inox	25	66252833409*
8550		150	1,6x22,23	A 46 T Inox	25	66252833404
		180	1,6x22,23	A 46 T Inox	25	66252833405*
Section.		230	1,9x22,23	A 46 T Inox	25	66252833406
			2,5x22,23	A 30 S Inox	25	66252925427
	TVDE /0	115	2,5x22,23	A 30 S Inox	25	66252925486
	TYPE 42	125	2,5x22,23	A 30 S Inox	25	66252925487
		230	2,5x22,23	A 30 S Inox	25	66252925489

^{*} Made-to-order

CUTTING DISCS & GRINDING WHEELS FOR METAL FABRICATION & WELDING





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
		115	6,4x22,23	A 30 S Inox	10	66252925513
MUICAN	TYPE 27	125	6,4x22,23	A 30 S Inox	10	66252925514
		180	6,4x22,23	A 30 S Inox	10	66252925516
		230	6,4x22,23	A 30 S Inox	10	66252925517





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
		115	3,0x22,23	C 30 R	25	66252925452*
VIIICAN	TYPE 41	125	3,0x22,23	C 30 R	25	66252925453*
		230	3,0x22,23	C 30 R	25	66252925456*
	TVDE (0	115	3,2x22,23	C 30 R	25	66252925500
IBANACED CONTROL OF THE PART	TYPE 42	125	3,2x22,23	C 30 R	25	66252925501
0.00		230	3,2x22,23	C 30 R	25	66252925503

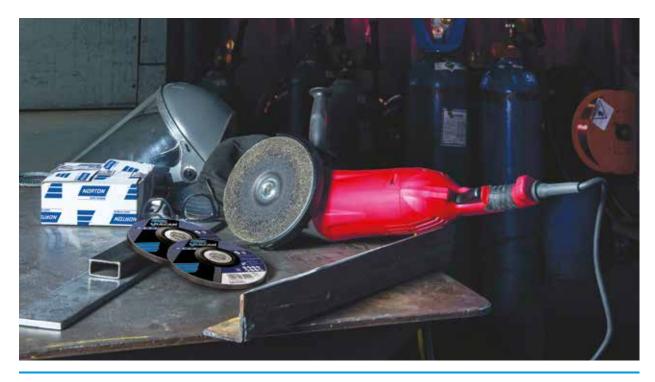
^{*} Made-to-order







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
VILICAN		115	6,4x22,23	C 30 R	10	66252925533
	TYPE 27	125	6,4x22,23	C 30 R	10	66252925534
		180	6,4x22,23	C 30 R	10	66252925535
and the same of th		230	6,4x22,23	C 30 R	10	66252925537





STARLINE



- Good material removal and cut rate
- For general trade and general usage





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS - ANGLE GRINDER						
		115	1,0x22,23	A 60 R	25	66252837243
Stelling			1,6x22,23	A 60 R	25	66252837244
			2,5x22,23	A 24 R	25	66252837249
24		125	1,0x22,23	A 60 R	25	66252837245
Curetaville	TYPE 41		1,6x22,23	A 60 R	25	66252837246
00000330			2,5x22,23	A 24 R	25	66252837250
		180	2,5x22,23	A 24 R	25	66252837277
		230	2,0x22,23	A 36 R	25	66252837248
_			2,5x22,23	A 24 R	25	66252837253
		115	3,2x22,23	A 30 S	25	66252837275
	TVDE (0	125	3,2x22,23	A 30 S	25	66252837276
	TYPE 42	180	2,5x22,23	A 24 R	25	66252837251
			3,0x22,23	A 30 S	25	66252837277
_		230	3,0x22,23	A 30 S	25	66252837278







LARGE DIAME	ETER CUTTING	DISCS			
	300	300x3,5x25,4	A 30 S PETROL SAW 80m/s	25	66252925457
TYPE 41		300x3,5x25,4	A 30 S STATIONARY 80m/s	25	66252925467
	350	350x3,0x25,4	A 30 S CHOP SAW 80m/s	25	66252925462
		350x3,0x25,4	A 30 S STATIONARY 80m/s	25	66252925469
			80m/s		







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
TYPE 27		115	6,0x22,23	A 30 P	10	66252837263
	TYPE 27	125	6,0x22,23	A 30 P	10	66252837264
		180	6,0x22,23	A 30 P	10	66252837268
		230	6,0x22,23	A 30 P	10	66252837269



MULTI MATERIAL

LIGHT COMFORT GRINDING

- Ceramic grain removes material quickly on a variety of different materials, one disc replaces many
- At 3mm thick, the lightweight wheel ensures precision and accuracy during grinding
- Easy access to hard to grind areas, corners and tight grooves
- Smoother feel, reduced fatigue and improved operator comfort







	11/2/	116-38			100	177
_	125	3,0x22,23	C 30 S	10	66252846611	
TYPE 27	115	3,0x22,23	C 30 S	10	66252846610	



MULTI MATERIAL

CUTTING

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



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
MULTI		115	1,0x22,23	C 60 T	25	66252833258
			1,6x22,23	C 46 T	25	66252828951
	- I I PE 41	125	1,0x22,23	C 60 T	25	66252918924
			1,6x22,23	C 46 T	25	66252828952
125 mm A447 - BF41		180	1,6x22,23	C 46 T	25	66252926730
The state of the s		230	1,9x22,23	C 46 T	25	66252918925



1-2-3

THE ALL IN ONE SOLUTION

- Cut, grind and finish with one wheel
- Fine grit for a good, uniform finish when used at 15 degrees
- No lost time due to wheel changing
- Three layers of reinforcement for maximum safety in use

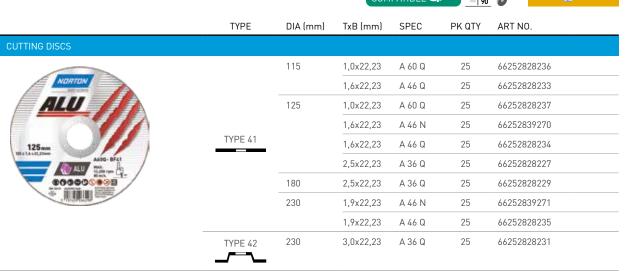


	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
COMBINATION WHEELS						
	TYPE 27	115	2,2x22,23	A 46 S	25	66252829704
12211		125	2,2x22,23	A 46 S	25	66252921592
1237						

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



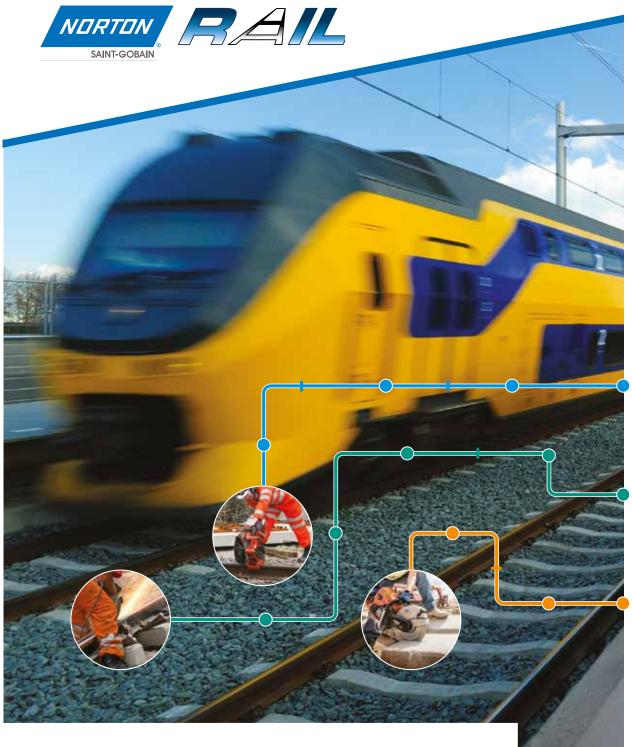








TYPE	DIA (mm)	IxB (mm)	SPEC	PKQIY	ART NU.
TYPE 27	125	7,0x22,23	A 36 Q	10	66252828228
TYPE 27	180	7,0x22,23	A 36 Q	10	66252828230
	230	7,0x22,23	A 36 Q	10	66252828232



CUTTING DISCS 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).

AS RAIL TRACK TECHNOLOGY CONTINUES TO
MAKE MAJOR ADVANCES, NORTON IS GENERATING
POWERFUL, INNOVATIVE, USER FRIENDLY SOLUTIONS
TO CUT, SHAPE AND GRIND HEAVY DUTY STEELS

CUTTING DISCS FOR RAIL

TECHNICAL **INFORMATION**

BF 41

FLAT CUTTING-OFF WHEELS

Rail cutting-off wheels are available in 300mm for clamped rail cutting machines that operate at 80m/s. For clamped rail cutting machines that operate on 100m/s wheels are available in 350mm and 400mm.

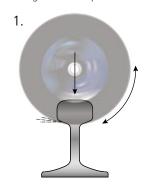
Bore dimensions of the cutting wheel can be adjusted using reduction rings that come with the original machine.

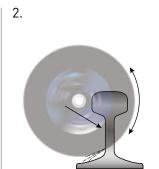
UNDERSTANDING THE PRODUCT

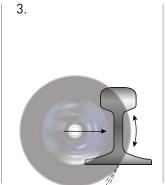
- Product code
- Application material
- Diameter x Thickness x Hole
- Product specification
- Maximum peripheral speed
- Machine cutting
- Safety pictograms
- OSA certification
- EN standard



CUTTING-OFF
Arrange the workpiece so that a uniform section can be cut



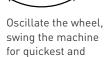


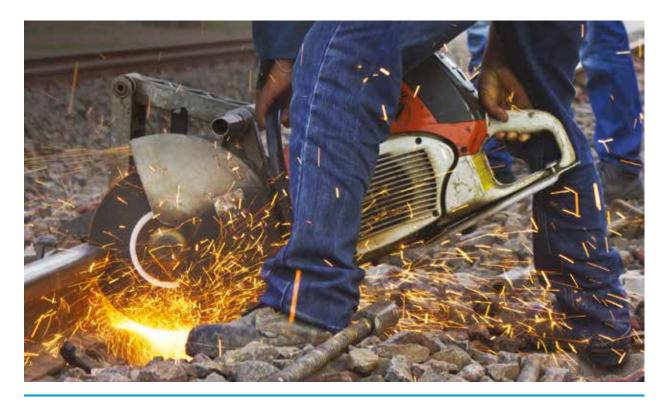


KEY:

Direction of cut

cleanest cut







NORTON QUANTUM3 RAIL INNOVATION







- Designed for comfort, built to last and 'made to bite'
- Long product life reduces the number of replacement discs, reducing total abrasive cost
- High speed cutting makes the overall rail repair process more efficient
- The wheel does the work and less vibrations are felt through the machine reducing the risk of white finger



_ <u></u>	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
TYPE 4		356	4,0x22,23	NQ 24 Q	10	66252845405
	TYPE 41		4,0x25,4	NQ 24 Q	10	66252845406
		406	4,0x25,4	NQ 24 Q	10	66252846183
A Company of the Comp						

Don't just take our word for it, see what our customers have to say....

"The Norton Quantum3 really speeds up the cutting process - I can get through 3 cuts per wheel now, maybe even more, instead of struggling to get through one with the wheels I was using before. And it's not just that, it's much easier to use, kind of glides through the rail piece with ease. I'll definitely be switching over to Norton Quantum3"

INNOVATION BOND TECHNOLOGY



COMBINATION OF SHARP PREMIUM ABRASIVE GRAINS



FAST CUTTING LONGER LIFE

CUTTING DISCS FOR RAIL

RAIL

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





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
	TYPE 41	356	4,0x25,4	ZA 24 Q Zirconia	10	66252830924
		406	4,0x25,4	ZA 24 Q Zirconia	10	66252833665
Am A						

RAIL





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





WHEELS FOR FOUNDRY

Cast iron used in foundry applications requires a specific type of cutting and grinding wheel to achieve a guick 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







	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
		230	2,5x22,23	ZA24R FOUNDRY X	25	66252839355*
Total Control of	TYPE 41		2,5x22,23	ZAC24S FOUNDRY X	25	66252839350*
A STATE OF THE STA			3,4x22,23	ZAC24S FOUNDRY X	25	66252839351*
The same of the sa		125	3,4x22,23	ZA30S FOUNDRY X	25	66252839391*
230 x 7,0 x 22,23		230	2,5x22,23	ZA24R FOUNDRY X	25	66252839356
E Main area and a company of the com	TYPE 42		3,4x22,23	ZA20T FOUNDRY X Hard	25	66252839347*
			3,4x22,23	ZA30S FOUNDRY X Medium	25	66252839348*
			3,4x22,23	ZA24R FOUNDRY X Soft	25	66252839349*

* Made-to-order





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
COMBINATION WHEELS						
	TYPE 27	230	4,2x22,23	ZA30S FOUNDRY X	25	66252839352
			4,5x22,23	ZA30S FOUNDRY X	25	66252839354

CUTTING DISCS & 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



	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
GRINDING WHEELS						
JOHNS		125	7,0x22,23	ZA24T LONG LIFE	10	66253371176
		180	7,0x22,23	ZA24T LONG LIFE	10	66253371162
PAUL SHIP I	TYPE 27		7,0x22,23	ZA20R COMFORT	10	66253370493
51		230	7,0x22,23	AC24Q FOUNDRY X	10	66252839353*
18117312223	7.0 + 27.23		7,0x22,23	ZA24T LONG LIFE	10	66253371175
R & DOTT			7,0x22,23	ZA20R COMFORT	10	66252842546

* Made-to-order



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.



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

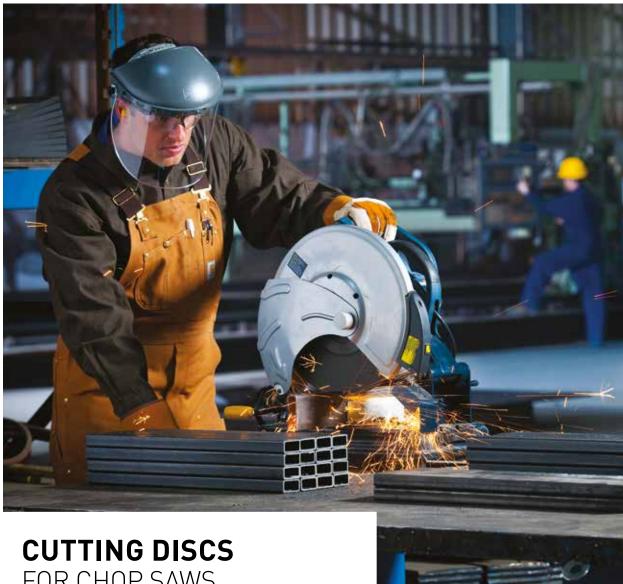
VULCAN

- General purpose cutting discs for all steel petrol saw applications
- Straight, fast cutting throughout long wheel life





	TYPE	DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.
CUTTING DISCS						
ТҮРЕ		300	3,5x20,0	A 30 S	10	66252925457
	TYPE 41		3,5x22,23	A 30 S	10	66252925458
			3,5x25,4	A 30 S	10	66252925459*
						* Made-to-order



FOR CHOP SAWS

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

VULCAN

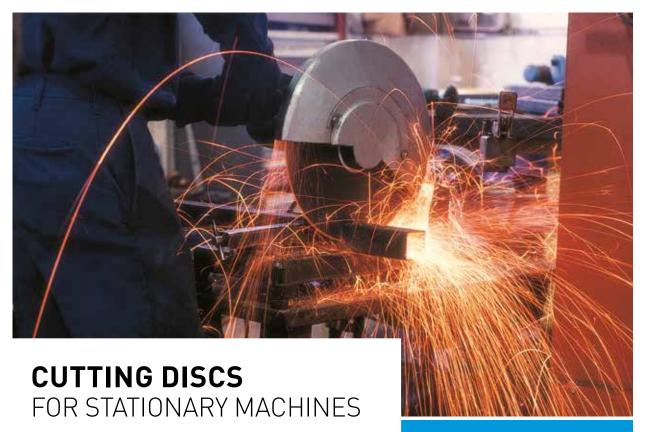
- Clean and straight cutting on portable chop saws and fixed machines
- Mechanical reinforcement for cutting metal and inox safely







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



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









TYPE 41

300

TYPE



•	Double, full external mechanical
	reinforcement for excellent safety
	and stability

DIA (mm)	TxB (mm)	SPEC	PK QTY	ART NO.	
350	4,0x32,0	C 30 R	10	66252925483	
400	4,5x32,0	C 30 R	10	66252925484	

3,0x32,0 A 30 S 10 66252925466

	3,0x32,0	A 30 S	10	66252925475*	
	3,5x32,0	A 30 S	10	66252925468	
350	3,5x25,4	A 30 S	10	66252925469	
	3,5x32,0	A 30 S	10	66252925470	
400	4,0x25,4	A 30 S	10	66252925472	
	4,0x25,4	A 30 S	10	66252925477*	
	4,0x32,0	A 30 S	10	66252925473	
	4,0x32,0	A 30 S	10	66252925478*	
	4,5x32,0	A 30 S	10	66252925474	

* Max RPM 100m/s

CUTTING DISCS & GRINDING WHEELS TECHNICAL INFORMATION

TECHNICAL INFORMATION

SHAPE SPECIFICATION SYSTEM

BF 27

BF 41

BF 42

DEPRESSED CENTRE GRINDING WHEELS

Available in diameters 76-230mm for hand-held machines.

Application: grinding

FLAT CUTTING DISCS

Available in diameters 50-400mm for hand-held machines & 250-400mm for stationary machines.

Application: cutting-off

DEPRESSED CENTRE CUTTING DISCS

Available in diameters 76-230mm for hand-held machines.

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:

V04/2024 indicates production in the 2nd quarter of 2021 and advised usage before the 2nd quarter of 2024

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.



(ISO 7010)



Wear protective gloves (ISO 7010)



protection (ISO 7010)



Wear ear protection (ISO 7010)



instruction manual/ booklet (ISO 7010)



Only permitted for grinding at an angle greater than 10°



Only suitable for totally enclosed machines



Do not use if damaged



Do not use for face grinding (ISO 7010)



Do not use for wet grinding (ISO 7010)



Do not use with hand-held grinding machine (ISO 7010)



GENERAL PRECAUTIONS

Safety instructions provided by the machine manufacturers must be followed. 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.



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 disc 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.

	SPEED CONVERSION FOLLOWING EN 12413		
WHEEL DIAMETER (mm)	MAXIMUM OPERATING SPEED (RPM) for resinoid bonded cutting discs and 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	
300/305	5100	6400	
350/356	4400	5500	
400/406	3850	4800	

CUTTING DISCS & GRINDING WHEELS TECHNICAL INFORMATION

SAFFTY ADVICE

D₀s

Always handle and store wheels carefully. Cutting discs should be stacked horizontally and 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 and ensure that it is correctly positioned and securely fitted. It should cover at least one half of the wheel and protect the operator in the unlikely event of a wheel breakage. NON-REINFORCED CUTTING DISCS SHOULD ONLY BE USED ON FIXED MACHINES AND 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 and ensure that they are undamaged, clean and 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 AND 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 and 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 and grinding operations clear. It is very dangerous if an operator trips and falls with an operating machine in his hands

DON'Ts

Handle wheels roughly

Use non-reinforced cutting discs 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 discs. You should not bend the wheel

Stop the wheel by applying pressure to the periphery or face. Always switch the machine off and 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 discs 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 and you are not well balanced