

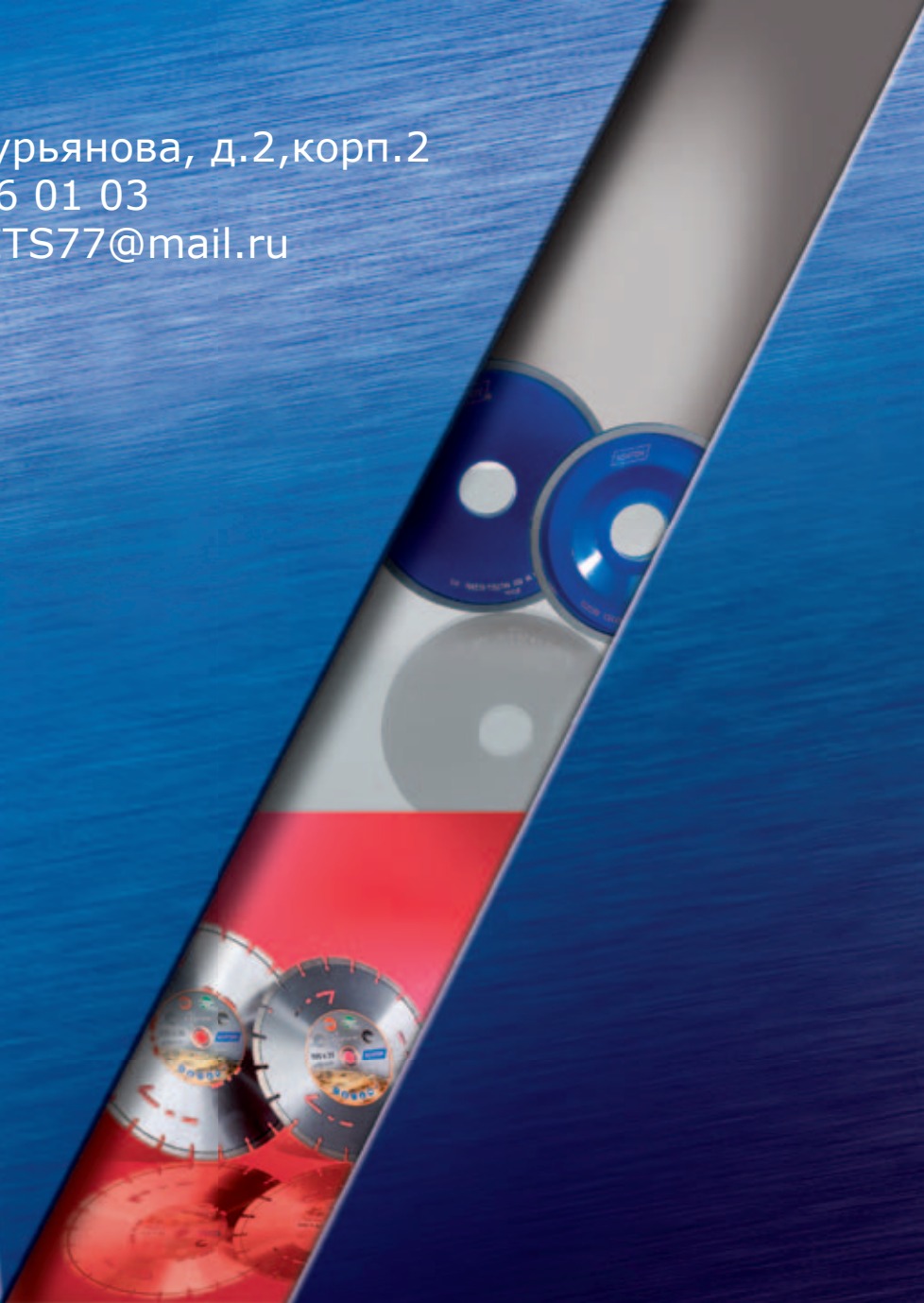
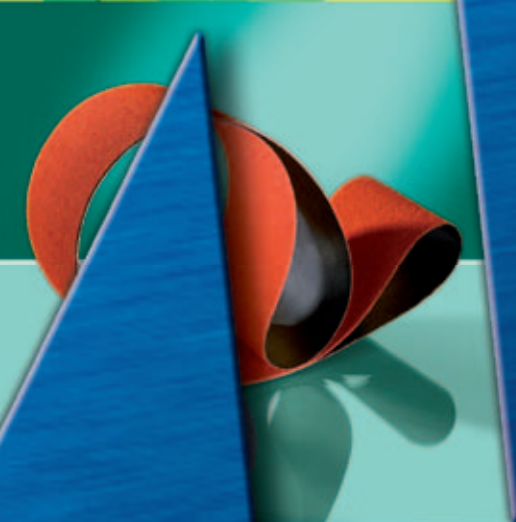
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NORTON

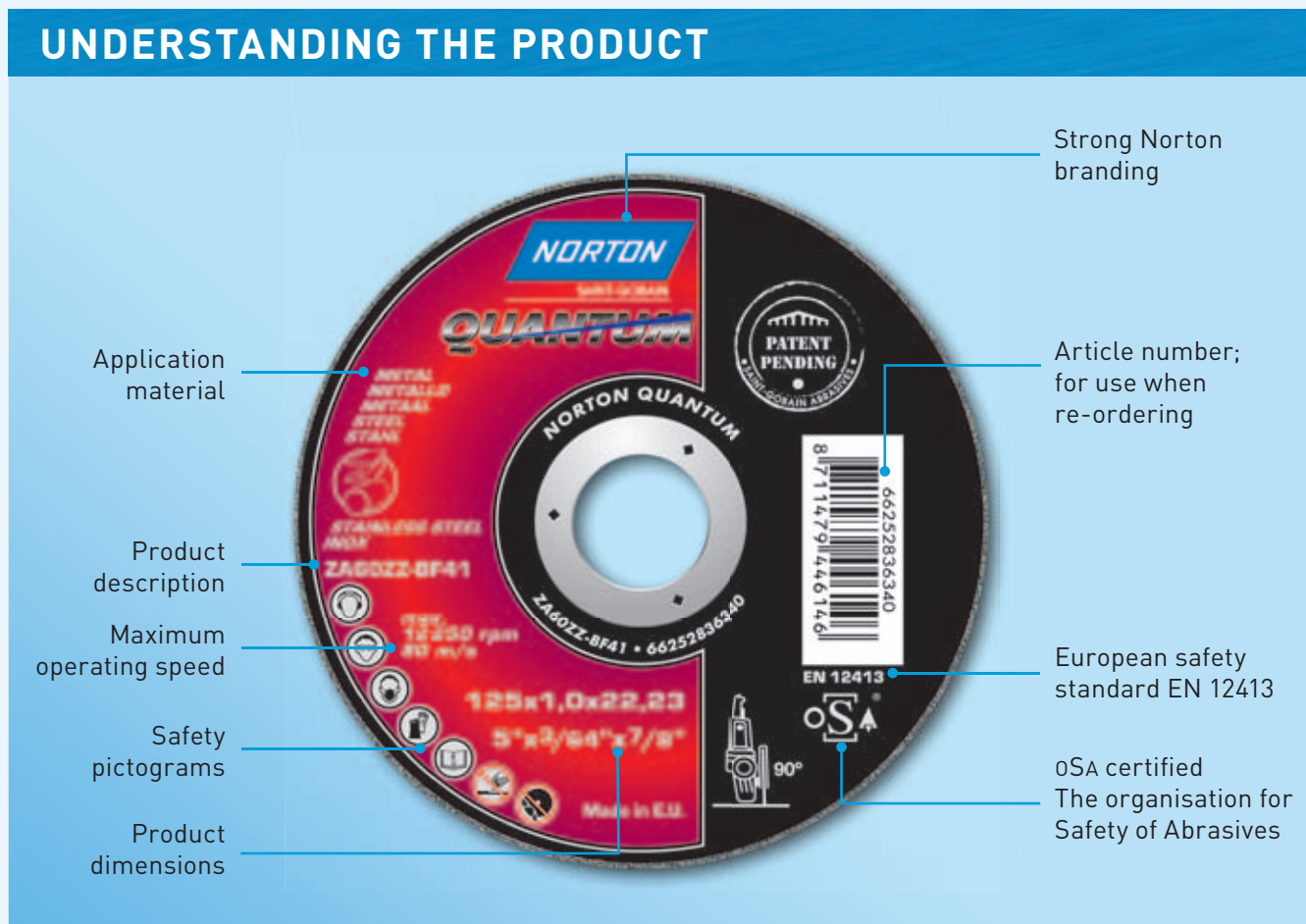
SAINT-GOBAIN

ABRASIVE TECHNOLOGICAL EXCELLENCE

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



SHAPE SPECIFICATION SYSTEM

BF 27	BF 29	BF 41	BF 42
Depressed centre grinding wheels. Available in diameters 76-230mm for hand-held machines	Depressed centre grinding wheels. Available in diameters 115mm & 125mm for hand-held machines	Flat cutting-off wheels. Available in diameters 50-400mm for hand-held machines & 250-400mm for stationery machines	Depressed centre cutting-off wheels. Available in diameters 76-230mm for hand-held machines
Application: grinding	Application: grinding	Application: cutting-off	Application: cutting-off

All Norton products are designed to be operator friendly with high safety standards to satisfy the requirements of all professional users.

For further information please go to the Technical Information Section at the back of this catalogue.

DIFFERENTIATION IN THE RANGE

Norton offers the industry's widest selection of cutting-off and grinding wheels designed to meet every customer's requirement. The range is classified into 3 tiers (Best/ Better/ Good) to help you choose the right product for your specific application.

INNOVATION BEST	With unparalleled abrasive technology, Norton provides optimum solutions with innovative products dedicated to industrial applications	BETTER	Norton Industrial Line grinding & cutting-off wheels are extensively used across a range of industries including aerospace, automotive, foundries, fabrication, ship-building & construction. This wide range of products return industry leading price/performance ratios delivering lower costs
BEST	Norton offers premium quality ranges of conventional zirconia (NorZon) & aluminium oxide (X-Treme life) abrasive grinding & cutting-off wheels. These ranges have been developed to meet the demands of the most discerning users. NorZon Quick Cut & X-Treme life ensure outstanding cutting speed & stock removal rates combined with exceptional long life meaning lower operating costs	GOOD	Norton's BDX Line gives above average performance for grinding & cutting-off operations on a wide range of materials, including steel, stainless steel, cast iron & stone

	INNOVATION BEST	BEST	BETTER	GOOD
METAL 				
INOX 				
METAL INOX 				
ALU METAL INOX STONE C-TILES PVC 				
ALU 				
STONE 				
STONE TILES 				
RAIL 				
CAST IRON METAL INOX 				

PRODUCT SELECTION CUTTING-OFF WHEELS FOR ANGLE GRINDERS

USAGE KEY	Norton 1-2-3	Norton Quantum ZA 60 ZZ	Multi-Purpose C46T	Multi-Purpose C60T	0.8mm Ultra Thin	NorZon Quick Cut	X-Treme Life	NorZon III Foundry	Industrial Line Metal-Inox	Industrial Line Inox	Industrial Line Non-ferrous	Industrial Line Stone/Tiles	BDX Metal-Inox	BDX Stone/Tiles									
															INNOVATION				BEST	BETTER			GOOD
															BEST								
Steel, construction steel	■	■	■	■	▨	■	■	■	■	▨			■										
Low-alloy steel	■	■	■	■	▨	■	■	■	■	▨			■										
High-alloy steel	■	■	■	■	▨	■	▨	■	▨	■			▨										
Thin sheets, plates profiles	■	■	■	■	▨	■	▨	■	■	▨			▨										
Stainless steel, Inox	■	■	■	■	▨	■	▨	■	■	■			▨										
Cast iron						■	■	■				▨		▨									
Non-ferrous			▨	▨							■	▨		▨									
Titanium			▨	▨							■	■		■									
Stone, concrete			▨	▨								▨		▨									
Tiles, ceramic			▨	▨								▨		▨									
Glass, plastic, pvc			▨	▨																			



PRODUCT SELECTION GRINDING WHEELS FOR ANGLE GRINDERS

USAGE KEY	Octopus	NorZon Plus S-Hard	NorZon Quick Cut S-Hard	NorZon Quick Cut R-Medium	NorZon Quick Cut Q-Soft	NorZon III Foundry S-Hard	NorZon III Foundry R-Medium	NorZon III Foundry Q-Soft	Industrial Line Metal-Inox Medium	Industrial Line Metal-Inox Soft	Industrial Line Inox	Industrial Line Non-ferrous	Industrial Line Stone/Tiles	BDX Metal-Inox	BDX Stone
Steel, construction steel	Highly recommended	Highly recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Low-alloy steel	Highly recommended	Highly recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
High-alloy steel	Highly recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Stainless steel, Inox	Highly recommended	Highly recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Cast iron			Recommended	Recommended	Recommended	Recommended	Recommended	Recommended					Recommended	Recommended	Recommended
Non-ferrous		Highly recommended										Recommended			
Titanium												Recommended	Recommended	Recommended	Recommended
Stone, concrete													Recommended	Recommended	Recommended



WHEELS FOR ANGLE GRINDERS

1 Cutting, 2 Grinding, 3 Polishing

Cutting, light grinding and polishing, all with one single product?

The new Norton 1-2-3 makes it possible! No more lost time due to machine or product changing.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



NORTON 1-2-3 THE ALL IN ONE SOLUTION

INNOVATION BEST	FEATURES	BENEFITS
	■ Cutting, light grinding & polishing with one single product	■ No more lost time due to machine or product changing
	■ Fine grit	■ Excellent & uniform finishing result
	■ Low vibration	■ Comfortable working ■ Operator friendly
	■ Three layered strong reinforcement	■ Maximum safety
■ Free of iron, sulphur & chlorine	■ No contamination	

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 27	115	2,2x22,23	25
	125	2,2x22,23	25

1-2-3 A 46 S-BF27
66252829704
66252921592

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

NORTON

SAINT-GOBAIN

QUANTUM

THE NEW GENERATION ABRASIVE TECHNOLOGY

- Lowest total abrasive costs
- High metal removal rate
- Fast cutting
- High stability
- Low vibration
- Less material loss
- Less noise & dust
- Less energy consumption
- Burr-free cutting
- White and clean cutting
- Extreme precision and straight cutting



No other wheel lasts longer!

Norton Quantum ultra thin cut-off wheels for stainless, alloy and carbon steels provide unrivalled wheel life, highest metal removal rates and fastest cutting action.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



NORTON QUANTUM ULTRA THIN

INNOVATION

BEST

FEATURES

- Premium aggressive NorZon Plus grain
- Revolutionary Patent Pending Bond Technology

BENEFITS

- No other wheel lasts longer
- Lowest total abrasive costs
- High metal removal rate
- Fast cutting
- High stability
- Low vibration
- Less material loss
- Less noise & dust
- Less energy consumption
- Burr-free cutting
- White and clean cutting
- Extreme precision and straight cutting

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
Type 41	115	1,0x22,23	25
		1,3x22,23	25
		1,6x22,23	25
	125	1,0x22,23	25
		1,3x22,23	25
		1,6x22,23	25



66252836338

66252836897

66252836339

66252836340

66252836898

66252836341

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

The Industrial Line offers good levels of performance & quality consistent with Norton's rich heritage.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



INDUSTRIAL LINE

BETTER

FEATURES

- Advanced grain & bond system
- Suitable for steel, stainless steel, aluminium, stone and tile applications
- Unique grain & bond system optimised for non-ferrous
- Sharp silicon carbide grains

BENEFITS

- Longer product life & faster material removal
- No more time loss due to machine or product changing
- Counteracts loading & wheelglazing when cutting non-ferrous
- Longer product life & quicker cutting
- Optimised to cut stone, bricks, concrete & asphalt

METAL INOX





PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 27	100	7,0x16,0	25
	115	4,6x22,23	25
		7,0x22,23	25
	125	4,6x22,23	25
		7,0x22,23	25
	150	7,0x22,23	25
	180	7,0x22,23	25
		8,0x22,23	20
	230	7,0x22,23	25
		8,0x22,23	20

MEDIUM	SOFT
662528 29953	
662528 29939	
662528 29483	662528 29484
662528 29937	
662528 29485	662528 29922
662528 29954	
662528 29486	662528 29487
662528 29940	
662528 29489	662528 29490
662528 30004	

METAL INOX






PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
 Type 41	100	1,6x16,0	25	66252829945
		2,0x16,0	25	66252950985
	115	1,0x22,23	25	66252829482
		1,6x22,23	25	66252829764
		2,0x22,23	25	66252829927
	125	1,0x22,23	25	66252829925
		1,6x22,23	25	66252829572
		2,0x22,23	20	66252829928
	150	2,5x22,23	25	66252829923
	180	1,6x22,23	25	66252829946
		2,0x22,23	25	66252829929
		2,5x22,23	25	66252829932
	230	1,9x22,23	25	66252829926
		2,0x22,23	25	66252829488
		2,5x22,23	25	66252829934
 Type 42	100	3,2x16,0	25	66252829950
	115	2,5x22,23	25	66252829930
		3,2x22,23	25	66252829769
	125	2,5x22,23	25	66252829931
		3,2x22,23	25	66252829936
	150	3,2x22,23	25	66252829951
	180	2,5x22,23	25	66252829933
		3,2x22,23	25	66252829770
	230	2,5x22,23	25	66252829935
		3,2x22,23	25	66252829771

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore



INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
 Type 27	115	7,0x22,23	25	66252829480
	125	7,0x22,23	25	66252829978
	180	7,0x22,23	25	66252829571
	230	7,0x22,23	25	66252829481
 Type 41	115	1,0x22,23	25	66252829964
		1,6x22,23	25	66252829966
	125	1,0x22,23	25	66252829965
		1,6x22,23	25	66252829967
 Type 42	115	3,2x22,23	25	66252829768
	125	3,2x22,23	25	66252829757
	180	3,2x22,23	25	66252829974
	230	3,2x22,23	25	66252829437



ALUMINIUM



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY		
 Type 27	125	7,0x22,23	25	66252829988	
	180	7,0x22,23	25	66252829989	
	230	7,0x22,23	25	66252829990	
 Type 41	115	1,6x22,23	25	66252829984	
		1,6x22,23	25	66252829985	
	230	180	2,5x22,23	25	66252829983
		230	1,9x22,23	25	66252829986
			2,5x22,23	25	66252829987

STONE/TILES



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY		
 Type 27	180	7,0x22,23	25	66252829905	
	230	7,0x22,23	25	66252829906	
 Type 41	115	2,5x22,23	25	66252829891	
		2,5x22,23	25	66252829892	
	230	150	2,5x22,23	25	66252829907
		180	2,5x22,23	25	66252829893
			2,5x22,23	25	66252829894

The Industrial Line offers good levels of performance & quality consistent with Norton's rich heritage.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



INDUSTRIAL LINE 0.8 MM ULTRA THIN

INNOVATION BEST	FEATURES	BENEFITS
	<ul style="list-style-type: none"> ■ 0.8mm thickness ■ Sharp silicon carbide grains 	<ul style="list-style-type: none"> ■ Extremely precise & clean cuts ■ Excellent manoeuvrability & extremely fast cutting ■ Less noise, less dust, less sparks, less material loss ■ Optimised for material thickness less than 2.0mm ■ Reduced energy consumption
	<ul style="list-style-type: none"> ■ Low vibration 	<ul style="list-style-type: none"> ■ Comfortable working
	<ul style="list-style-type: none"> ■ Free of iron, sulphur & chlorine 	<ul style="list-style-type: none"> ■ No contamination

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
 Type 42	115	0,8x22,23	25	66252833239
	125	0,8x22,23	25	66252833240

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

Norton's wide range of cutting wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



MULTI-PURPOSE

INNOVATION

BEST

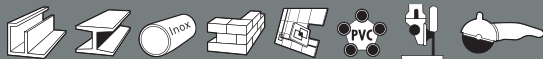
FEATURES



- Cuts all materials
- Ultra thin
- Low vibration
- Unique construction
- Free of iron

BENEFITS

- No more time loss due to machine or product changing
- Quicker cutting
- Less noise, less dust, less material loss
- Extremely precise straight cuts with burr-free results
- Reduced energy consumption
- Comfortable working
- Counteracts loading & wheelglazing when cutting non-ferrous or plastics
- No contamination

MULTI-PURPOSE



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY		
 Type 41	115	1,0x22,23	25	C 46 T-BF41	C 60 T-BF41
		1,6x22,23	25	662528 28951	662528 33258
	125	1,0x22,23	25	662528 28952	662529 18924
		1,6x22,23	25	662529 26730	
	180	1,6x22,23	25	662529 18925	
	230	1,9x22,23	25		

Norton's wide range of cutting wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



NORZON QUICK CUT

BEST

FEATURES

- Premium combination of zirconia grain and advanced bond system
- Suitable for stainless steel, hardened steel and cast iron applications
- Q-Soft
- R-Medium
- S-Hard
- Free of iron, sulphur & chlorine

BENEFITS

- Superior performance compared to standard aluminum oxide wheels
- Highest productivity means lowest operating cost
- Easy & comfortable grinding
- Optimised for thick applications
- High stability for easy & comfortable cutting
- Fast material removal
- Optimised for universal applications
- Long product life
- No contamination

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	Material		
				S-HARD	R-MEDIUM	Q-SOFT
 Type 27	100	4,6x16,0	25		66252833116	
		7,0x16,0	25		66252831403	
	115	4,6x22,23	25		66252832729	
		7,0x22,23	25	66252831413	66252831412	
	125	4,0x22,23	25	66252832684	66252950962	
		4,6x22,23	25		66252829673	
	7,0x22,23	25	66252831422	66252831421	66252832747	

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

METAL INOX					
					
PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY		
 Type 27	150	4,6x22,23	25	S-HARD	
		7,0x22,23	25	R-MEDIUM	
	180	4,0x22,23	25	66252832871	66252950963
		4,6x22,23	25		66252831429
		7,0x22,23	25	66252831434	66252831433
	230	4,0x22,23	25	66252832685	66252950964
		4,6x22,23	25		66252831438
		7,0x22,2	25		66252831446
		7,0x22,23	25	66252831447	



METAL INOX					
					
PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY		
 Type 41	115	1,0x22,23	25	66252829663	
		1,6x22,23	25	66252829496	
		2,0x22,23	25	66252831458	
	125	1,0x22,23	25	66252832682	
		1,6x22,23	25	66252829577	
		2,0x22,23	25	66252831463	
		2,5x22,23	25	66252833117	
	150	2,0x22,23	25	66252833118	
	180	1,6x22,23	25	66252832870	
		2,0x22,23	25	66252831469	
		2,5x22,23	25	66252832734	
	230	1,9x22,23	25	66252832683	
		2,0x22,23	25	66252831478	
		2,5x22,23	25	66252831474	
	 Type 42	100	3,2x16,0	25	66252831502
		115	2,5x22,23	25	66252831506
			3,2x22,23	25	66252831510
		125	2,5x22,23	25	66252831516
3,2x22,23			25	66252831519	
150		3,2x22,23	25	66252832731	
180		2,5x22,23	25	66252831524	
		3,2x22,23	25	66252831527	
230		2,5x22,23	25	66252831529	
		3,2x22,23	25	66252831532	



Norton's wide range of cutting wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



X-TREME LIFE

BEST

FEATURES

- Premium aluminium oxide grain in combination with an advanced bond system
- Free of iron, sulphur & chlorine

BENEFITS


- Ultra long product life & extremely quick cutting
- Optimised for powerful machines
- Easy to use
- No contamination

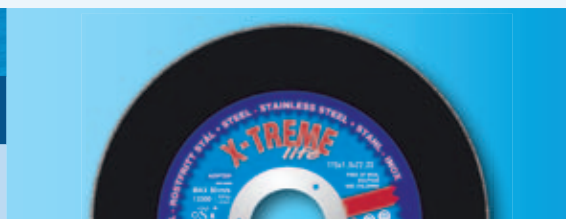


Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

METAL INOX




PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 41	115	1,0x22,23	25
		1,6x22,23	25
		2,0x22,23	25
		2,5x22,23	25
	125	1,0x22,23	25
		1,6x22,23	25
		2,0x22,23	25
		2,5x22,23	25
	150	1,6x22,23	25
	180	1,6x22,23	25
		2,0x22,23	25
		2,5x22,23	25
	230	1,9x22,23	25
		2,0x22,23	25
		2,5x22,23	25



66252919427
66252920339
66252920340
66252921564
66252920341
66252920342
66252920343
66252920350
66252920344
66252920345
66252920346
66252920347
66252920348
66252920351
66252920349

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 42	115	2,5x22,23	25
		3,2x22,23	25
	125	2,5x22,23	25
		3,2x22,23	25
	180	2,5x22,23	25
		3,2x22,23	25
	230	2,5x22,23	25
		3,2x22,23	25



66252921567
66252921568
66252918816
66252918819
66252918817
66252918820
66252918818
66252918821

WHEELS FOR ANGLE GRINDERS

Norton's wide range of cutting wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



BDX

GOOD

FEATURES


- The BDX range features a broad selection for steel/stainless steel and stone applications
- Free of iron, sulphur & chlorine
- Sharp silicon carbide grains

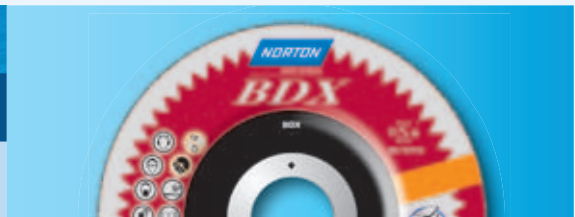
BENEFITS

- No more time loss due to machine or product changing
- No contamination
- Suitable for cutting stone, bricks, concrete & asphalt

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 27	100	4,0x16,0	25
		6,5x16,0	10
	115	4,0x22,23	25
		6,5x22,23	10
	125	4,0x22,23	25
		6,5x22,23	10
	150	6,5x22,23	10
	180	4,0x22,23	25
		6,5x22,23	10
	230	4,0x22,23	25
6,5x22,23		10	



66252831398

66252831400

66252831406

66252831408

66252829766

66252831415

66252832633

66252829477




66252831431

66252831439




66252831440

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

METAL INOX				
				
PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
 Type 41	115	1,0x22,23	25	66252831452
		1,6x22,23	25	66252831451
		2,0x22,23	25	66252831456
		2,5x22,23	25	66252831454
	125	1,0x22,23	25	66252831541
		1,6x22,23	25	66252831460
		2,0x22,23	25	66252831462
		2,5x22,23	25	66252831461
	150	2,0x22,23	25	66252832741
	180	1,6x22,23	25	66252832631
		2,0x22,23	25	66252831468
		2,5x22,23	25	66252831466
	230	1,9x22,23	25	66252832686
		2,0x22,23	25	66252831476
		2,5x22,23	25	66252831471
 Type 42	100	2,5x16,0	25	66252831497
	115	2,5x22,23	25	66252831504
		3,2x22,23	25	66252831508
	125	2,5x22,23	25	66252831513
		3,2x22,23	25	66252831517
	150	3,2x22,23	25	66252832632
	180	2,5x22,23	25	66252831522
		3,2x22,23	25	66252831525
	230	2,5x22,23	25	66252831494
		3,2x22,23	25	66252829430

STONE/TILES				
				
PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
 Type 41	115	2,5x22,23	25	66252832941
	125	2,5x22,23	25	66252832942
	180	2,5x22,23	25	66252832945
	230	2,5x22,23	25	66252832848
 Type 42	100	3,2x16,0	25	66252831501
	115	3,2x22,23	25	66252831509
	125	3,2x22,23	25	66252831518
	180	3,2x22,23	25	66252831526
	230	3,2x22,23	25	66252831496

STONE

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
				
 Type 27	115	6,5x22,23	10	66252831409
	125	6,5x22,23	10	66252831416
	180	6,5x22,23	10	66252831432
	230	6,5x22,23	10	66252831441

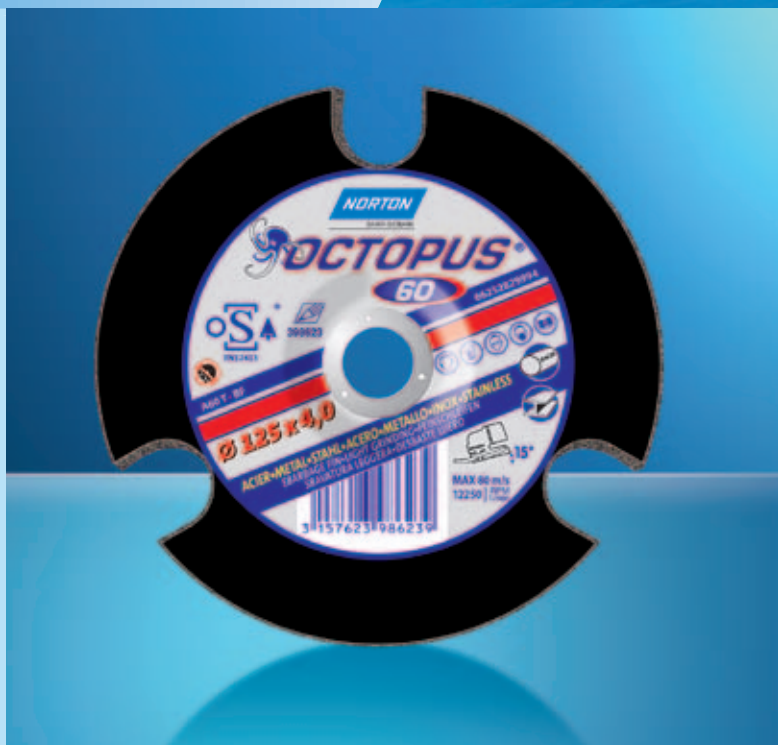


Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

Norton's wide range of grinding wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



OCTOPUS

**INNOVATION
BEST**

FEATURES

- Unique patterned face
- Viewable surface
- Grinding & polishing with one product
- 2 grit sizes
- Low vibration
- No backing pad needed

BENEFITS

- Prevents loading
- Cooler operation
- Gives complete vision of the grinding zone
- More effective as less rework needed
- Reduces heat on the workpiece
- No more lost time due to machine or product changing
- 36 grit for stock removal
- 60 grit for polishing
- Comfortable working
- Easy mounting

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 29	115	4,0x22,23	20
	125	4,0x22,23	20

 A 36 T-BF29 66252829991	 A 60 T-BF29 66252829992 66252829993 66252829994
--	--

Norton's wide range of NorZon PLUS cutting & grinding wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Fabrication
- Foundry



NORZON PLUS

INNOVATION

BEST

FEATURES



- Premium combination of zirconia grain & an advanced bond system
- R-Medium grade
- S-Hard grade
- Free of iron, sulphur & chlorine

BENEFITS

- Quality optimised for professionals
- Superior performance compared to standard aluminum oxide wheels
- Highest productivity & lowest cost per cut
- Easy & comfortable grinding
- Designed for steel, stainless steel, casts & white, grey & nodular cast iron applications
- Fast material removal
- Long wheel life
- No contamination

CAST IRON/METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY		
				S-HARD	R-MEDIUM
 Type 27	115	7,0x22,23	25	662528 32968	662528 32967
	125	7,0x22,23	25	662528 32970	662528 32969
	180	7,0x22,23	25	662528 32972	662528 32971
	230	7,0x22,23	25	662528 32974	662528 32973

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

Norton's wide range of Foundry cutting & grinding wheels for angle grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Fabrication
- Foundry



NORZON III FOUNDRY

BEST

FEATURES

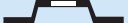
- Premium combination of zirconia grain and advanced bond system
- Q-Soft grade
- R-Medium grade
- S-Hard grade

BENEFITS

- Superior performance compared to standard aluminum oxide wheels
- Highest productivity & lowest cost per cut
- Designed for steel, stainless steel, casts & white, grey & nodular cast iron applications
- For comfortable working
- Fast material removal
- Long wheel life

CAST IRON/METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 42	115	3,2x22,23	25
	125	3,2x22,23	25
	180	3,2x22,23	25
	230	3,2x22,23	25



66252833137


66252829555

66252833144

66252831531

CAST IRON/METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	Material			
				S-HARD	R-MEDIUM	Q-SOFT	
 Type 27	100	7,0x16,0	25	66252831405	66252829765		
	115	7,0x22,23	25	66252832712	66252832956		
	125	7,0x22,23	4,0x22,23	25		66252833139	
			4,6x22,23	25		66252833140	
			7,0x22,23	25	66252829391	66252833036	66252833224
	150	7,0x22,23	4,0x22,23	25	66252832724	66252832723	
			4,6x22,23	25		66252833223	
			7,0x22,23	25		66252832716	
	180	7,0x22,23	4,0x22,23	25	66252831435	66252832717	66252832692
			4,6x22,23	25		66252833147	
			7,0x22,23	25		66252833037	
	230	7,0x22,23	4,0x22,23	25	66252831448	66252829493	66252832693
4,6x22,23			25				



Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

WHEELS FOR STRAIGHT GRINDERS

Norton's wide range of cutting and grinding wheels for straight grinders provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building



INDUSTRIAL LINE

BETTER

FEATURES


- Advanced grain & bond system
- Suitable for steel & stainless steel applications
- 2 external full reinforcements
- Free of iron, sulphur & chlorine
- 6mm ultra thick type 41 wheels available

BENEFITS

- Longer product life & quicker cutting & grinding
- No more lost time due to machine or product changing
- Maximum safety
- High stability for straight cuts
- No contamination
- Can be used for cutting & grinding

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 27	76	7,0x10,0	10





MEDIUM

66252829952

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	INDUSTRIAL LINE		
				HARD	MEDIUM	
 Type 41	50	1,0x6,35	50	662435 78272		
		1,6x6,35	25		662435 78274	
		6,0x6,35	10		662528 29875	
	63	1,0x6,35	50	662528 29956		
		1,6x6,35	25		662528 29876	
		2,5x6,35	25		662529 25546	
		6,0x6,35	10		662528 29877	
		1,0x10,0	50	662528 29878		
		1,6x10,0	25		662528 31132	
		2,5x10,0	25		662528 29879	
		6,0x10,0	10		662528 29880	
		76	1,0x6,35	50	662528 29941	
	1,6x6,35		25		662528 29943	
	2,5x6,35		25		662528 29881	
	6,0x6,35		10		662528 29882	
	1,0x8,0		50	662528 29883		
	1,6x8,0		25		662528 29884	
	2,5x8,0		25		662528 29885	
	6,0x8,0		10		662528 29886	
	1,0x10,0		50	662528 29957		
	1,6x10,0		25		662528 29944	
	2,5x10,0		25		662528 30429	
	3,2x10,0		25		662528 29949	
	6,0x10,0		10		662528 29887	
	100	1,0x10,0	25	662528 29888		
		1,6x10,0	25		662528 29767	
	 Type 42	76	2,5x10,0	25		662528 29947



Norton's wide range of cutting wheels for petrol saws provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Construction
- Fabrication
- Foundry
- Rail industry



INDUSTRIAL LINE

BETTER

FEATURES


- Advanced grain & bond system
- Sharps ilicon carbide grains
- 2 external full reinforcements
- 80 m/s for 300mm
- 100 m/s for 350mm

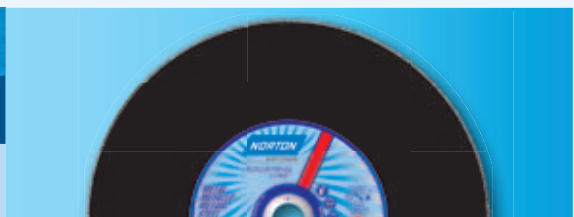
BENEFITS

- Longer product life
- Quick & free cutting
- Optimised to cut stone, bricks, concrete & asphalt
- Longer product life & quicker cutting
- Maximum safety
- High stability for straight cuts
- Designed for petrol & electrical saws

METAL



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 41	300	3,8x20,0	10
		3,8x22,23	10
		3,8x25,4	10
	350	3,8x20,0	10
		3,8x22,23	10



66252829491

66252829914

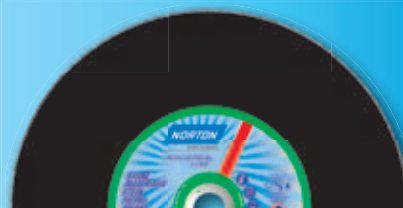
66252829753


66252829915

66252829916

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

STONE



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
 Type 41	300	3,8x20,0	10	66252829900
		3,8x22,23	10	66252829901
		3,8x25,4	10	66252829902
	350	3,8x20,0	10	66252829903
		3,8x22,23	10	66252829904



Norton's wide range of cutting wheels for chop saws provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Construction
- Fabrication
- Foundry
- Maintenance



INDUSTRIAL LINE

BETTER

FEATURES

- Advanced grain & bond system
- Internally reinforced
- 80m/ s

BENEFITS

- Longer product life
- Quick & free cutting
- Burn & burr-free cutting
- Maximum safety
- High stability for straight cuts
- Designed for small electrical table & fixed machines

METAL



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
Type 41	300	2,8x25,4	10
	350	3,0x25,4	10
	400	3,0x25,4	10



MEDIUM

66252829909

66252829910

66252829918

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

Norton's wide range of cutting wheels for stationary machines provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Construction
- Fabrication
- Foundry



INDUSTRIAL LINE

BETTER


FEATURES


- Advanced grain & bond system
- Sharp silicon carbide grains
- Stronger reinforcements
- 2 external full reinforcements
- 80m/s

BENEFITS

- Longer product life
- Quick & free cutting
- Burn & burr-free cutting
- Optimised to cut stone, bricks & concrete
- Long product life
- Quick & free cutting
- Maximum safety
- High stability for straight cuts
- Designed for stationary machines

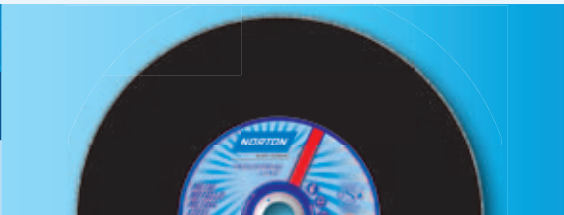
STONE


PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY
 Type 41	300	3,0x25,4	10
	350	3,5x25,4	10
	400	4,0x25,4	10

	66252829895
	66252829899
	66252829908

Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

METAL



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	GRINDING WHEEL TYPE		
				HARD	MEDIUM	SOFT
<div style="text-align: center;">  <p>Type 41</p> </div>	250	3,5x25,4	10		662528 29919	
	300	3,5x22,23	10	662528 29960	662528 29911	
		3,5x25,4	10	662528 29961	662528 29912	
		3,5x30,0	10		662529 19096	
		3,5x32,0	10		662528 29913	
	350	4,0x25,4	10	662528 29962		
		4,5x25,4	10		662528 29917	
	400	4,0x25,4	10	662528 29963		
		4,5x25,4	10		662528 29920	662529 20502
		4,5x32,0	10		662528 29921	

Norton's wide range of cutting wheels for rail industry machines provide high value and high performance industrial solutions.

APPLICATIONS & MARKETS

- Rail industry



INDUSTRIAL LINE

BETTER	FEATURES	BENEFITS
	<ul style="list-style-type: none"> ■ Premium grain & bond system 	<ul style="list-style-type: none"> ■ White & straight cuts ■ Quick & free cutting ■ High stability
	<ul style="list-style-type: none"> ■ 3s pecifications Soft-Medium-Hard ■ 80 m/s for 300mm ■ 100 m/s for 350mm 	<ul style="list-style-type: none"> ■ Complete range for all rail machines, horsepower & applications ■ Designed for petrol & electrical railcut machines with clamping device ■ Maximum safety

RAIL METAL

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY			
				HARD	MEDIUM	SOFT
 Type 41	300	3,5x20,0	10		662528 29589	
		3,5x22,23	10		662528 29585	662528 33257
	350	4,0x20,0	10		662528 29586	
		4,0x22,23	10		662528 29587	662529 51091
		4,0x25,4	10	662528 32744	662528 29588	662528 28620
	400	4,0x25,4	10			662529 19130

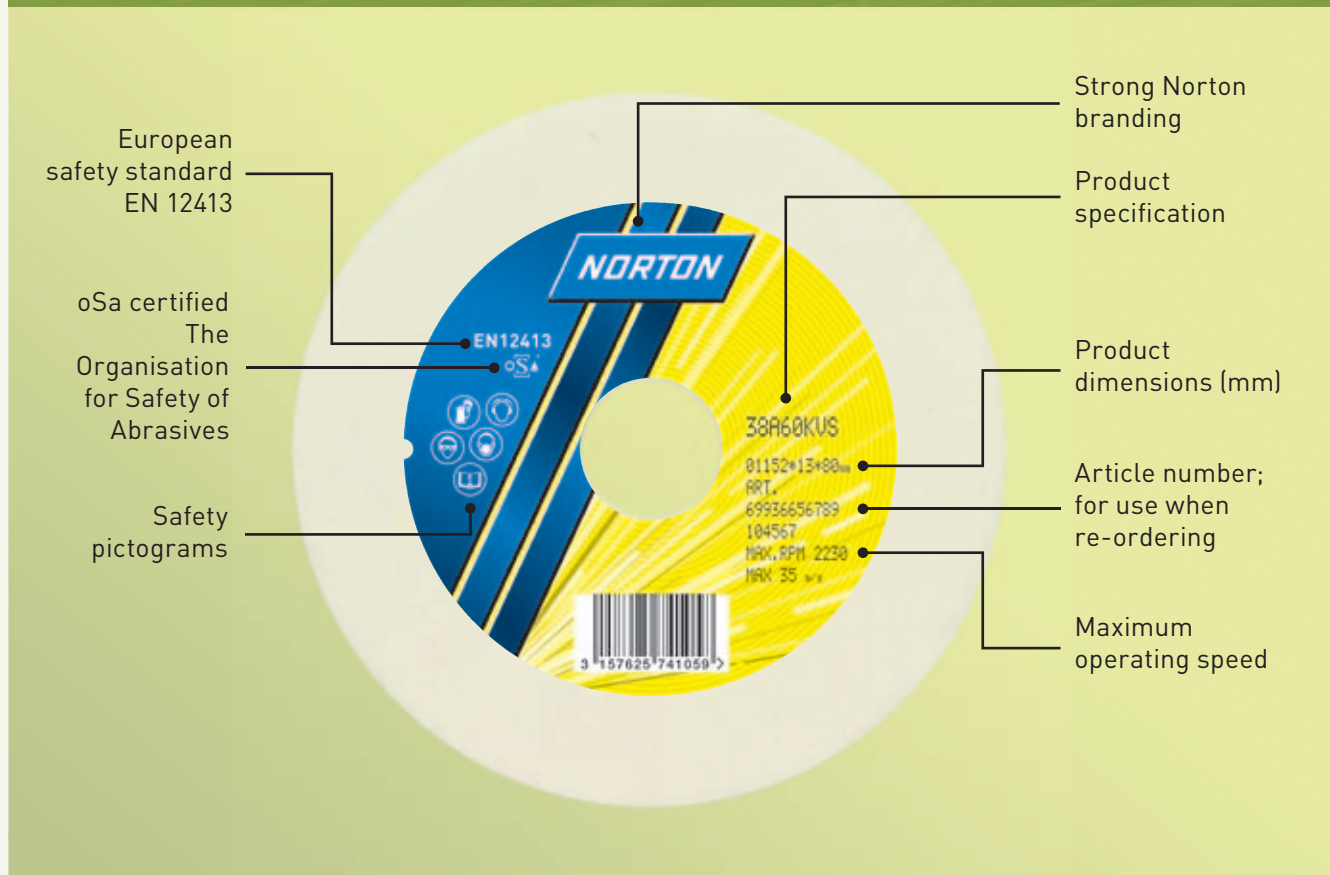
Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

From standard aluminum oxide bench wheels to premium ceramic abrasive surface grinding wheels, Norton offers high performance abrasive solutions that can maximise productivity in virtually all industrial applications.

The extensive product range is designed to meet all your precision grinding and roughing application needs, with all the most appropriate abrasive specifications, including grinding wheels, segments, mounted points, dressing sticks and sharpening stones.

Norton, the industry's most comprehensive Bonded abrasive product line.

UNDERSTANDING THE PRODUCT

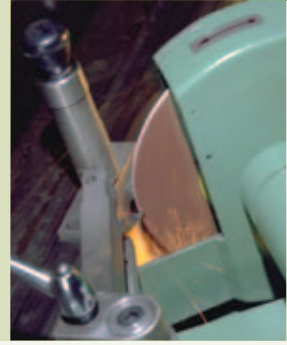


APPLICATION GUIDE

	CYLINDRICAL	INTERNAL	SURFACE	TOOL & CUTTER
Aluminium	37C 46 KVS	37C 80 IV	37C 46 KVS	
			38A 54 I12VXP	
Brass/Bronze	37C 60 KVS	37C 80 IV	37C 46 KVS	
			38A 54 I12VXP	
Cast iron	37C 60 KVS	37C 80 MVS	37C 54 JVS	
	38A 60 KVS	38A 80 MVS	38A 54 JVS	
Ceramic (green)	38A 60 KVS	38A80 I10VXP	38A 60 J10VQP	
Ceramic (fired)	39C 100 KVS			
Chrome plate	SGB 80 I10VXP	5NQ 80 JVQN	SGB 70 G12VXP	
	38A 80 J10VXP		86A 70 G12VXP	
Crankshaft (regrind)	19A 60 MVS			
Glass (cutting)			39C 60 KVS	
Glass (polishing)			A150 MVS	
Aerospace alloys: Nimonic, Inconel, Hastalloy	3NQ 80 I10VQNP	5NQ 60 KVQN	IPA 60 HA26VTX	
	SGB 80 I10VXP	SGB 60 KVX	3NQ 60 G12VQNP	
Plastics	37C 80 JVS	5NQ 60 KVQN	IPA 60 XH20VTX	
	SGB 80 IVXP			
Metal spray	39C 60 KVS	39C 80 IV	39C 46 KVS	
	39C 100 KVS			
Rubber	IPA 60 HA26VTX			
	37C 46 E12VP			
Steel – soft (Up to 45Rc)	57A 60 LVS	SGB 60 KVX	SGB 54 KVS	
	SGB 60 LVX	38A 60 LVS	38A 46 KVS	
Steel high carbon high chrome content – (46 - 56 Rc) D2, D3 etc.	3NQ 60 KVQN	5NQ 60 KVQN	IPA 60 XH17VTX	
	SGB 60 KVX	SGB 60 KVX	3SG 60 JVX	
Steel hardened (Over 56 Rc)	3SG 60 KVX	5NQ 80 KVQN	1TGP 60 HVX	5NQ 80 JVQN
	SGB 60 KVX	5SG 60 KVX	IPA 60 HA20VTX	SGB 60 JVX
		3SG 60 KVX	3SG 60 IVXP	
Stainless steel	39C 60 KVX	39C 80 JVS	39C 60 JVS	
	SGB 60 KVX	5NQ 60 KVQN	SGB 54 I12VXP	
		SGB 60 KVX		
Stellite	38A 60 LVS	SGB 60 KVX	SGB 60 H12VXPM	
Titanium	39C 60 KVX	39C 60 KVX	39C 60 KVX	
High speed steel	3NQ 60 KVQN	5NQ 60 JVQN	SGB 54 I12VXP	3NQ 60 KVQN
	SGB 60 KVX	SGB 60 JVX	IPA 60 EH20VTX	SGB 60 JVX
			3NQ54I12VXP	38A 60 JV
Tungsten carbide	39C 80 JVS	39C 80 IVS	39C 80 IVS	39C 80 JVS

SAW SHARPENING

Saw sharpening refers to the maintenance and repair of sawblades. Vitrified flat wheels and cups are used in grit sizes 54 to 60. Resin treatment reinforces the wheel and helps reduce wheel face deformation



SAW SHARPENING

MATERIAL	TYPE OF TOOTH	OPERATION	RESIN	WHEEL GRADE	REFERENCE	RECOMMEND. SPEC
High quality steel	Large	All	None	Soft	MTVS	19A 60 MVS MTVS
Standard quality steel	Small	All	None	Hard	MDVS	19A 60 OVS MDVS
Standard quality steel	Double cut	Finishing	1mm resin coated on one side	Soft	T6	38A 60 MVS T6
Treated steel	Swage	Roughing		Medium	M6	86A 54 KVS M6
		Finishing		Soft	T6	38A 60 MVS T6
Stellite tipped	Stellite tipped	Finishing		Soft	T6	38A 60 MVS T6
		Roughing		Medium	M6	86A 54 KVS M6
		Truing		Hard	D6	86A 54 OVS D6

Norton vitrified grinding wheels have set the standard for generations – leading the way with technological improvements to maximise performance and productivity.

APPLICATIONS & MARKETS

- Surface grinding
- Tool & cutter grinding
- Sharpening
- Internal grinding
- Cylindrical grinding



INNOVATION
BEST

5NQ

■ Type 01 ■ Type 05

NORTON
QUANTUM

FEATURES

- Engineered ceramic grain shape and chemistry with new bond technology.
- A perfect blend between sharpness (free cutting) and toughness (life)

BENEFITS

- Versatile in all low, medium and high force applications
- 30% to 100% higher metal removal rate
- >15% lower threshold power



5SG®

■ Type 01

FEATURES


- Very high concentration of SG® ceramic aluminium oxide abrasive

BENEFITS


- Ultimate cutting capability
- High removal rate & extended wheel life
- Perfect for technical applications where grinding parameters can be adjusted to optimise performance



BEST

3SG®  Type 01

FEATURES	BENEFITS
<ul style="list-style-type: none"> High concentration of SG® ceramic aluminum oxide abrasive 	<ul style="list-style-type: none"> Very good cutting capability
<ul style="list-style-type: none"> Unique, self sharpening, microcrystalline structure 	<ul style="list-style-type: none"> High removal rate & extended wheel life Suitable for very hard steels



BETTER

IPA VORTEX™ TECHNOLOGY  Type 01 

FEATURES	BENEFITS
<ul style="list-style-type: none"> High performance engineered alumina grain 	<ul style="list-style-type: none"> Very high metal removal rates, resulting in reduced cycle times
<ul style="list-style-type: none"> High porosity & permeability for maximum coolant diffusion 	<ul style="list-style-type: none"> Improved part quality thanks to reduced heat generation
<ul style="list-style-type: none"> Optimal grain spacing for improved chip clearance & reduced friction 	<ul style="list-style-type: none"> Increase wheel life Consistent grinding performance Extremely cool cutting action promoting burn free results



1TGP  Type 01

FEATURES	BENEFITS
<ul style="list-style-type: none"> High performance SG® ceramic aluminium oxide abrasive 	<ul style="list-style-type: none"> Blend of premium TG grain with pink alumina
<ul style="list-style-type: none"> Harder & sharper than conventional abrasive grains 	<ul style="list-style-type: none"> Extremely high removal rate & wheel life
<ul style="list-style-type: none"> Unique, self sharpening, microcrystalline structure 	<ul style="list-style-type: none"> Effective when productivity is the primary concern
<ul style="list-style-type: none"> Elongated grain shape 	<ul style="list-style-type: none"> Suitable for medium to high power & stiff machines



BETTER

SGB®

Type 01



Type 05

FEATURES

- Medium concentration of SGB® ceramic aluminum oxide
- Harder & sharper than conventional abrasive grains

BENEFITS

- Good cutting capability
- Suitable for low to medium power machines
- Very versatile on a wide variety of steels

**38A**

Type 01



Type 05

FEATURES

- High purity white aluminium oxide abrasive
- Friable

BENEFITS

- Cool & burn free cutting
- Ideal for heat-sensitive applications with light to moderate feed rates

**86A**

Type 01



Type 05

FEATURES

- Highly refined pink aluminium oxide abrasive
- Tougher abrasive than pure white aluminium oxide
- Contains a small portion of chromium oxide

BENEFITS

- Very versatile
- Reduced dress frequency

**19A**

Type 01

FEATURES

- A blend of A & 38A abrasives
- Primarily used in saw grinding applications

BENEFITS

- Very versatile. For use on a wide variety of steels
- Good yield, good removal rate
- Good balance between cut rate & form holding ability

**57A**

Type 01

FEATURES

- Semi-pure brown fused aluminium oxide abrasive
- High durability

BENEFITS

- For use on steel & steel alloys
- Versatile, durable, & free cutting
- Economical
- Ideal for general purpose applications



GOOD

STRAIGHT WHEELS

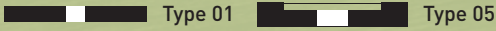
DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD
						BEST			
						BEST			
						Type 01 Type 05			
10x10x4			01	45	10	5NQ 80 JVQN	662532 44877		
			01	45	10	5NQ 80 LVQN	662532 62415		
13x13x4			01	45	10	5NQ 60 LVQN	662532 44878		
			01	45	10	5NQ 80 LVQN	662532 62414		
13x13x4,76	6	6	05	45	10	5NQ 60 KVQN	662532 44880		
16x16x6			01	45	10	3NQ 60 LVQN	662532 61880	38A 60 LVS	662530 50359*
			01	45	10	5NQ 80 JVQN	662532 44881		
	10	8	05	45	10	5NQ 60 LVQN	690831 63785		
20x20x6			01	45	10	3NQ 60 LVQN	662532 61903	38A 60 LVS	699366 41129
	13	10	05	45	10	5NQ 60 LVQN	662532 61908	SGB 60 KVX	699366 81793
	13	10	05	45	10	5NQ 80 JVQN	662532 44883		
20x20x6,35	10	10	05	45	10	5NQ 60 KVQN	662532 44884		
25x25x6,35	13	12	05	45	10	5NQ 80 IVQN	662532 44885		
	13	12	05	45	10	5NQ 60 LVQN	662532 44886		
25x25x8	13	10	05	45	10	5NQ 80 JVQN	662532 44887	SGB 60 KVX	699366 81795
	16	10	05	45	10			SGB 60 JVX	699366 41074
32x25x8	13	10	05	45	10	5NQ 60 JVQN	662532 44888		
32x30x10	18	12	05	45	10			SGB 60 KVX	699366 81798*
32x32x9,53	16	16	05	45	10	5NQ 80 IVQN	662532 44898		
32x32x10	16	16	05	45	10			SGB 60 JVX	699366 76291
	16	16	05	45	10			38A 60 LVS	699366 75118
40x25x9,53	20	12	05	45	10	5NQ 60 KVQN	662532 44889		
40x25x10	16	12	05	45	10	5NQ 80 KVQN	662532 44890		
40x32x10	20	16	05	45	10	5NQ 60 LVQN	662532 44891		
40x40x10	16	20	05	45	10	5NQ 60 KVQN	662532 44897		
50x6x6			01	45	10			38A 60 NVS	699366 75122
50x32x13	30	16	05	45	10	5NQ 60 LVQN	690831 63788		

* Made-to-order

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD
						BEST	BEST		
									
50x40x10	25	20	05	45	10				86A 60 KVTECH 662530 49914*
50x40x12,7	25	20	05	45	10	5NQ 60 KVQN	662532 44892	38A 60 LVS 699366 21569*	
50x40x13	25	20	05	45	10	5NQ 80 IVQN	662532 44893		
50x40x16	25	20	05	45	10	5NQ 60 KVQN	662532 44894		86A 60 KVTECH 662530 49929*
63x10x20			01	45	10			38A 60 NVS 662530 50376	
63x40x12,7	32	20	05	45	10	5NQ 80 IVQN	662532 44895	38A 60 LVS 699366 21565	
65x50x16	25	25	05	45	10			SGB 60 JVX 699366 76211	
70x7,1x17			01	45	10	3NQ 60 HVQN	662532 62413		
76x32x20	42	16	05	45	10	5NQ 60 JVQN	662532 44896		
80x10x32			01	45	10			38A 60 LVS 662530 50241*	
100x6x32			01	45	2			38A 60 LVS 662530 50244	
100x10x32			01	45	2	3SG 60 KVX	662530 50246	38A 60 LVS 662530 50404	
100x13x32			01	45	2			SGB 60 KVX 662530 49862*	
			01	45	2			38A 60 LVS 662530 50409	
100x16x32			01	45	2	3SG 46 KVX	662530 50283*		
100x20x32			01	45	2			38A 46 KVS 662530 54532*	
			01	45	2			38A 60 KVS 662530 51062*	
			01	45	2			38A 60 LVS 662530 50413	
100x50x32	60	25	05	45	2	5NQ 60 LVQN	662532 62024*		
125x6x32			01	45	2	3SG 60 LVX	662530 54862	38A 60 LVS 662530 50440	
			01	45	2			38A 60 NVS 699366 75721*	
125x8x32			01	45	2			38A 60 LVS 662530 50443*	
125x10x32			01	45	2			38A 46 JVS 662530 50441*	
			01	45	2			38A 60 KVS 662530 51063*	
			01	45	2			38A 60 LVS 699366 75731	
			01	45	2			38A 80 LVS 662530 50254*	
			01	45	2			38A 120 JVS 662530 50449*	
125x13x32			01	45	2	3SG 60 JVX	662530 50290	38A 100 JVS 662530 50257	
125x16x32			01	45	2			38A 60 MVS 662530 50237	
125x20x32			01	45	2	3SG 60 JVX	662530 50255*	SGB 60 LVX 662530 50286*	
			01	45	2			38A 60 KVS 662530 50620	
			01	45	2			38A 60 LVS 699366 75736	
150x2x32			01	45	6			38A 80 NVS 699366 77254*	
150x3,2x32			01	63	6				19A 60 MVS MTVS 699366 75941
150x4x20			01	45	6			38A 60 LVS 699366 75591	
			01	45	6			38A 80 NVS 699366 76720	
			01	45	6			38A 100 MVS 699366 40219	
150x4x30			01	63	6	3SG 80 NVX	699366 78980*	38A 80 NVS 699366 39730*	

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth

STRAIGHT WHEELS (CONTINUED)

DIM DIAXTXB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION			GOOD		
						BEST		BETTER			
						BEST					
						Type 01		Type 01F			
150x4x32			01	63	6				19A 60 MVS MTVS	69936674920	
			01	63	6				19A 60 OVS MDVS	69936675946	
150x6x20			01F	45	6				86A 80 OVS	69936686760*	
150x6x32			01	45	2	3SG 60 LVX	66253055040	SGB 80 LVX	66253049867*		
			01	45	2	3SG 80 LVX	66253054873*	38A 80 NVS	69936641572*		
			01	45	2			38A 120 JVS	69936675746*		
			01	45	2			38A 80 KVS	66253051068*		
			01F	63	6				19A 60 MVS MTVS	69936675964	
		01F	63	6				19A 60 OVS MDVS	69936675963*		
150x6x38			01	45	2			SGB 60 K VX	66253049900		
150x8x20			01F	45	6				86A 80 OVS	69936686743*	
150x8x32			01	45	2	3SG 60 JVX	66253055041	38A 60 LVS	69936675743		
			01	45	2			38A 80 MVS	66253050388*		
			01	45	2			38A 120 JVS	69936675748		
			01F	63	6	3SG 80 NVX	66253052706*	38A 60 MVS T6	69936658071*	19A 60 NVS MTVS	66253051097*
150x10x32			01	45	2	3NQ 60 LVQN	66253262029*	SGB 60 K VX	66253049871		
			01	45	2	5SG 60 K VX	69936640331*	SGB 100 JVX	66253049894		
			01	45	2	3SG 60 LVX	66253050280	38A 46 KVS	66253051072*		
			01	45	2			38A 46 MVS	66253050261*		
			01	45	2			38A 60 JVS	69936674921		
			01	45	2			38A 60 KVS	66253051070		
			01	45	2			38A 60 LVS	69936675744		
			01	45	2			38A 60 MVS	69936641112		
			01	45	2			38A 80 KVS	66253051071*		
			01	45	2			38A 80 MVS	66253050373		
			01F	63	6				19A 60 OVS	66253050201	
			01	45	2			38A 100 MVS	66253050371*		
			01	45	2			38A 120 JVS	69936675749		
150x13x32			01	45	2	5SG 60 K VX	66253054864*	38A 46 HVS	69936675753*		
			01	45	2	3SG 46 HVX	66253054863	38A 46 LVS	69936675754		
			01	45	2	3SG 60 LVX	66253050142	38A 60 IVS	69936675756		
			01	45	2			38A 60 NVS	69936675758		
			01	45	2			38A 80 LVS	69936675759		
		01	45	2			38A 120 JVS	69936675760			
150x16x32			01	45	2	5SG 60 K VX	66253054866*	38A 46 HVS	69936675761	86A 46 G12VXP	66253050296*
			01	45	2	3SG 60 H12VXP	69936677177	38A 46 LVS	69936675763		
			01	45	2	3SG 60 LVX	66253050367	38A 46 NVS	69936675762		
			01	45	2			38A 60 LVS	69936675764		
		01	45	2			38A 80 LVS	69936675767			

* Made-to-order

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD	
						BEST	BEST			
Type 01										
150x20x32			01	45	2	5SG 60 KVX	699366 40816	SGB 60 KVX	662530 49874	
			01	45	2	3SG 60 KVX	662530 50155	SGB 60 MVX	662530 50169*	
			01	45	2			SGB 100 JVX	662530 49895	
			01	45	2			38A 46 KVS	662530 51064*	
			01	45	2			38A 46 MVS	662530 50372	
			01	45	2			38A 60 KVS	662530 51065	
			01	45	2			38A 60 LVS	699366 41391	
			01	45	2			38A 60 NVS	699366 41392	
			01	45	2			38A 80 KVS	662530 51067	
			01	45	2			38A 80 LVS	699366 39416	
150x25x32			01	45	2			38A 100 JVS	662435 70493	
			01	45	2			38A 60 KVS	662530 50452	
			01	45	2			38A 60 MVS	662530 50381	
175x4x51			01	63	6				19A 60 MVS MTVS	662530 52709
175x6x51			01	63	6				19A 60 MVS MTVS	699366 75980
175x8x51			01	45	2			38A 60 LVS	699366 75786*	
180x6x32			01	45	2			SGB 120 JVX	699366 38720*	
			01	45	2			38A 60 LVS	699366 75784	
			01	45	2			38A 120 LVS	699366 75791*	
			01	63	6				19A 60 MVS MTVS	699366 75979*
180x8x32			01	63	6				19A 60 MVS MTVS	699366 75982*
180x10x32			01	45	2			SGB 60 JVX	699366 39145*	
			01	45	2			38A 80 JVS	699366 75781	
			01	63	6				19A 60 MVS MTVS	699366 75984

* Made-to-order

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth

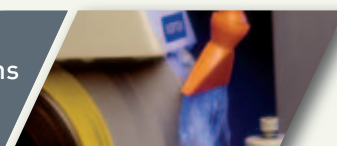
STRAIGHT WHEELS (CONTINUED)

DIM DIAXTXB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
						BEST					
						BEST					
						Type 01 Type 01F					
180x13x32			01	45	2	3NQ 46 JVQN	66253262031	1TGP 60 H12VXP	69936676106		
			01	45	2	3SG 46 JVX	66253054876	38A 46 HVS	69936675798		
			01	45	2	3SG 80 JVX	66253054892	SGB 60 JVX	69936639148		
			01	45	2	3SG 120 JVX	66253054874	38A 60 LVS	69936675797		
			01	45	2			SGB 80 JVX	69936639149		
			01	45	2			38A 80 LVS	69936675801		
			01	45	2			38A 120 JVS	69936675802		
180x16x32			01	45	2	3SG 46 HVX	66253054882	SGB 70 G12VXP	69936639169		
			01	45	2			38A 46 HVS	69936675804*		
			01	45	2			38A 60 KVS	66253050453	86A 70 G12VXP	66253050358
180x20x32			01	45	2	3SG 46 HVX	66253054883	SGB 46 H12VXP	69936638723		
			01	45	2	3SG 60 I12VXP	66253050166*	38A 46 HVS	66253050454*		
			01	45	2			SGB 60 H10VXP	69936639170		
			01	45	2			38A 46 JVS	69936693706		
			01	45	2			SGB 60 KVX	66253049878		
			01	45	2			38A 60 JVS	69936675810		
			01	45	2			38A 60 MVS	66253050273		
180x25x32			01	45	2			38A 60 KVS	66253050365*		
			01	45	2			38A 60 LVS	69936675812		
180x25x51			01	45	2			38A 46 NVS	69936640967*		
			01	45	2			38A 60 MVS	69936641085*		
200x4x32			01	63	6					19A 60 OVS MDVS	69936675986
200x6x32			01	45	2	3SG 60 LVX	69936639434*	SGB 120 JVX	69936677029		
			01	45	2			38A 60 MVS	66253050455		
			01	45	2			38A 80 NVS	69936639662		
			01	63	6					19A 60 MVS MTVS	69936675988
			01	63	6					19A 60 OVS MDVS	69936675987*
200x8x20			01F	45	6			38A 60 NVS	69936688291*		
200x8x32			01	63	6			38A 60 MVS T6	69936658078*	19A 54 OVS MDVS	69936675989
			01	63	6					19A 60 MVS MTVS	69936675990



* Made-to-order

DIAMOND DRESSING

- Norton offers an extensive range of complimentary diamond dressing solutions. For more information see page 404.



STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
						BEST					
						BEST					
			 Type 01			 Type 01F					
200x10x32			01	45	2	3SG 60 LVX	662530 54884	SGB 60 JVX	699366 39157		
			01	45	2			38A 60 LVS	699366 75818		
			01	45	2			SGB 80 JVX	699366 39158		
			01	45	2			38A 120 JVS	699366 75819		
			01	63	6			38A 60 MVS T6	699366 75927	86A 54 OVS D6	662530 50147*
			01	63	6					19A 54 OVS MDVS	699366 75991
			01F	63	6					19A 60 MVS MTVS	699366 75992
200x10x50,8			01	45	2	3NQ 60 JVQN	662532 61994				
200x13x32			01	45	2			SGB 60 JVX	699366 39160		
			01	45	2			38A 46 HVS	699366 75826		
			01	45	2			SGB 60 KVX	662530 49881		
			01	45	2			38A 60 JVS	699366 75821		
			01	45	2			SGB 80 JVX	699366 39161		
			01	45	2			38A 60 LVS	699366 75823		
			01	45	2			SGB 120 JVX	699366 76608	86A 70 G12VXP	662530 50374*
200x13x50,8			01	63	6			38A 60 MVS T6	699366 75928	19A 54 OVS MDVS	699366 75993*
			01	63	6					19A 60 MVS MTVS	699366 75994
200x13x50,8			01	45	2			38A 60 JVS	699366 39432*		
200x16x32			01	45	2			38A 46 HVS	699366 75828		
			01	45	2			38A 60 KVS	662530 50456		
200x16x50,8			01	45	2			38A 60 JVS	699366 41314*		
200x16x76,2			01	45	2			38A 60 LVS	699366 75827		
200x20x32			01	45	2	3NQ 60 H12VQP	662532 62059*	SGB 46 HVX	699366 39171	86A 54 H12VXP	662530 51532*
			01	45	2	3NQ 60 JVQN	662532 62023*	38A 46 HVS	699366 75551		
			01	45	2	3NQ 46 JVQN	662532 61995	SGB 60 H12VXP	699366 39172		
			01	45	2	3SG 60 H12VXP	699366 77181	38A 46 KVS	662530 51075		
			01	45	2	3SG 60 IVX	662530 50258*	SGB 60 KVX	662530 49887		
			01	45	2	3SG 60 JVX	662530 55869	38A 46 NVS	699366 41400		
			01	45	2			SGB 60 MVX	662530 50173		
			01	45	2			38A 60 KVS	662530 51077		
			01	45	2			38A 60 NVS	699366 67154		
200x20x50			01	45	2	3SG 46 E12VXP	699366 76703*	38A 46 KVS	699366 41104	86A 46 IVTECH	662530 50386*
			01	45	2	3SG 60 HVX	662530 54886*				
			01	45	2	3SG 60 JVX	662530 50362*				

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth



STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
						BEST					
						BEST					
Type 01											
200x20x50,8			01	45	2	5NQ 46 G12VQNP	66253261978	38A 46 JVS	69936675832		
			01	45	2	3NQ 60 H12VQNP	66253257432*	38A 46 KVS	66253050103*		
			01	45	2	3NQ 60 JVQN	66253262001	38A 60 HVS	69936675834		
			01	45	2	3NQ 46 JVQN	66253261996*	38A 60 KVS	66253049967		
			01	45	2	3NQ 46 KVQN	66253261991	38A 100 JVS	69936639795*		
			01	45	2	3SG 46 I12VXP	66253052711				
			01	45	2	3SG 60 H12VXP	66243593696				
200x20x51			01	45	2	3SG 80 HVX	69936676399*				
			01	45	2	5NQ 46 F12VQNP	66253261993	SGB 60 JVX	69936639251		
			01	45	2			38A 46 KVS	66253051084*		
200x20x76			01	45	2	3SG 46 IVX	66253054888			86A 46 IVTECH	66253050250*
200x20x76,2			01	45	2	3SG 46 HVX	66253050156	38A 46 HVS	69936641521		
			01	45	2	3SG 60 IVX	66253050157*	38A 60 LVS	69936675836		
200x25x32			01	45	2	3NQ 60 JVQN	66253262033*	SGB 46 GV12XP	66253051385*		
			01	45	2	3SG 60 JVX	66253054889	38A 46 LVS	69936627127		
			01	45	2			SGB 60 KVX	66253049888		
			01	45	2			38A 46 NVS	69936641406		
			01	45	2			38A 60 LVS	69936641407		
			01	45	2			38A 60 MVS	66253051079		
			01	45	2			38A 80 KVS	66253051082		
			01	45	2			38A 80 NVS	69936675847		
200x25x50,8			01	45	2			38A 100 JVS	66243570496		
			01	45	2			SGB 46 KVX	66253050183		
			01	45	2			38A 46 HVS	69936675840		
200x25x51			01	45	2			38A 54 I12VXP	69936681147*		
			01	45	2			SGB 46 HVX	66253049855*		
			01	45	2			38A 46 KVS	66253051086		
			01	45	2			38A 60 KVS	66253051089*		
200x25x76,2			01	45	2			38A 60 LVS	69936640125		
			01	45	2			38A 46 HVS	69936641562*		
			01	45	2			38A 46 KVS	66253049968*		
			01	45	2			38A 46 NVS	69936675841		
			01	45	2			38A 60 MVS	66253049969*		
200x32x32			01	45	2			38A 60 NVS	69936675846		
			01	45	2			SGB 60 KVX	66253049892		
			01	45	2			38A 46 MVS	66253052712		
			01	45	2			38A 60 LVS	69936675855		
		01	45	2			38A 60 NVS	69936667155			

* Made-to-order

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
						BEST	BEST				
 Type 01  Type 01F											
200x32x51			01	45	2			38A 60 LVS	69936640245		
200x32x76,2			01	45	2			38A 46 IVS	66253052713*		
			01	45	2			38A 46 NVS	69936675849		
			01	45	2			38A 60 MVS	66253049972		
			01	45	2			38A 60 NVS	69936675854		
200x35x32			01	45	2			SGB 46 KVX	66253049859*		
200x40x50,8			01	45	2			SGB 46 H12VXP	69936676377*		
			01	45	2			38A 46 IVS	69936681707		
225x5x60			01	45	2			38A 54 JVS	69936675859		
225x20x51			01	45	2			3NQ 60 H12VQNP	66253262058*		
			01	45	2			3SG 60 H12VXP	69936676452	38A 46 IVS	69936640871
225x25x51			01	45	2			3SG 54 F12VXP	69936676380*		
225x25x76,2			01	45	2			3SG 46 HVX	66243570377		
225x32x76,2			01	45	2			3SG 46 HVX	66253055043		
			01	45	2			3SG 60 H12VXP	66243593705		
230x6x50,8			01	45	2			38A 100 JVS	69936639629		
230x10x32			01	63	6			38A 60 MVS T6	69936675929		
230x10x50,8			01	45	2			38A 100 JVS	69936640665*		
230x13x32			01	63	6			38A 60 MVS T6	69936675930		
230x20x50,8			01	45	2			3SG 60 IVX	66253050240*	38A 60 JVS	69936639549*
230x25x50,8			01	45	2				38A 60 HVS	69936639829	
250x10x32			01	45	1			38A 60 KVS	66253049904*		
			01	63	6			38A 60 MVS T6	69936675931	86A 54 KVS M6	66253050146*
			01	63	6					86A 54 OVS D6	66253050139
			01	63	6					19A 54 OVS MDVS	69936675998*
			01	63	6					19A 60 MVS MTVS	69936675999
			01F	45	6				38A 46 MVS	66253050218*	
250x13x32			01F	45	6				38A 54 OVS	69936667265*	
			01	63	6			38A 60 MVS T6	69936675932	86A 54 KVS M6	66253050123
			01	63	6					86A 54 OVS D6	66253050128
250x13x76,2			01	63	6					19A 60 MVS MTVS	69936676001
			01	45	1			3SG 60 KVX	69936623734		
250x20x32			01	45	1				38A 46 KVS	66253049918*	
			01	45	1				38A 60 KVS	66253049920*	

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth

STRAIGHT WHEELS (CONTINUED)

DIM DIAXTXB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
						BEST					
						BEST					
<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> <div style="margin-right: 5px;">Type 01</div> </div>											
250x20x76,2			01	45	1	5NQ 46 G12VQNP	66253261918*	38A 60 LVS	69936675862		
			01	45	1	3NQ 46 JVQN	66253261919				
			01	45	1	3NQ 60 JVQN	66253261990				
250x25x32			01	45	1	3SG 60 HVX	66253050363*	SGB 60 KVX	66253050160*	86A 46 IVTECH	66253050275*
			01	45	1			38A 60 JVS	66253051098*	86A 60 IVTECH	66253050390*
			01	45	1			38A 60 KVS	66253049930*		
			01	45	1			38A 60 LVS	66253049927		
			01	45	1			38A 60 MVS	66253051380*		
			01	45	1			38A 80 KVS	66253049932*		
250x25x50,8			01	45	1	3SG 46 KVX	66253050107	38A 46 LVS	69936623714*		
250x25x51			01	45	1			38A 46 IVS	69936640283*		
			01	45	1			38A 46 KVS	66253049936*		
			01	45	1			38A 60 KVS	66253049939*		
250x25x76			01	45	1	5NQ 46 G12VQNP	66253262010	38A 46 KVS	66253049902*		
			01	45	1			38A 60 KVS	66253049905*		
			01	45	1			38A 60 LVS	69936678984*		
			01	45	1			38A 80 KVS	66253049907*		
250x25x76,2			01	45	1	3SG 46 KVX	69936623668	IPA 60 EH17VTX	66253052716		
			01	45	1	3SG 54 F12VXP	69936676054	38A 46 G12VXP	66253050292*		
			01	45	1	3SG 60 KVX	66253055045	IPA 60 XH17VTX	66253052721		
			01	45	1			38A 46 IVS	66253050369		
			01	45	1			SGB 46 HVX	66243570378*		
			01	45	1			38A 46 LVS	69936623691		
			01	45	1			SGB 46 KVX	66253050124		
			01	45	1			38A 60 IVS	66253050101		
			01	45	1			SGB 60 KVX	66253050126		
			01	45	1			38A 60 LVS	69936623733		
			01	45	1			SGB 70 H12VXP	69936623901		
250x25x120,6			01	45	1			38A 80 LVS	69936623651		
			01	45	1			38A 60 LVS	69936623688*		
250x32x32			01	45	1			SGB 60 KVX	66253050162*		
			01	45	1			38A 46 KVS	66253049909*		
			01	45	1			38A 60 KVS	66253049911		
			01	45	1			38A 60 NVS	69936667158		
			01	45	1			38A 80 KVS	66253049915		
250x32x76			01	45	1		38A 60 KVS	66253051102*			
250x32x76,2			01	45	1	3NQ 46 HVQN	66253262034*				
			01	45	1	3SG 46 HVX	66253055046				

* Made-to-order

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD	
						BEST	BEST			
Type 01										
250x40x32			01	45	1			38A 60 KVS	66253051093*	
250x40x51			01	45	1			38A 60 KVS	66253051095*	
250x40x76			01	45	1			38A 46 KVS	66253051104*	
250x40x76,2			01	45	1	3NQ 46 G12VQNP	66253262056*	SGB 46 I10VXP	66253050205*	
			01	45	1	3SG 46 G12VXP	69936676056	38A 46 I12VXP	69936681148*	
250x50x76,2			01	45	1	3SG 46 IVX	66253050259	38A 46 KVS	66253050186	
			01	45	1			SGB 46 KVX	66253050129*	
300x13x127			01	45	1			38A 46 LVS	69936623717*	
			01	45	1			SGB 60 KVX	66253050131	
300x20x127			01	45	1			38A 60 LVS	69936623652*	
			01	45	1			38A 60 LVS	69936675872	
300x25x127			01	45	1	3NQ 60 KVQN	66253262040	SGB 60 KVX	66253050132	57A 60 LVS 66253050370*
			01	45	1	3SG 46 KVX	66253055050	38A 46 LVS	69936623601	
			01	45	1	3SG 60 H12VXP	69936677184	SGB 80 I12VXP	66253050121	
			01	45	1	3SG 60 KVX	66253055052	38A 60 KVS	66253050105	
300x32x32			01	45	1			38A 80 LVS	69936623648	
			01	45	1			38A 46 NVS	69936675879	
300x32x76,2			01	45	1			38A 60 KVS	66253051100	
			01	45	1			38A 60 NVS	69936639618	
300x32x127			01	45	1	3SG 60 KVX	66253055872	IPA 60 EH20VTX	66253049858	
			01	45	1			38A 46 HVS	69936675883	
			01	45	1			IPA 60 XH20VTX	66253049861	
			01	45	1			38A 60 LVS	69936675884	
			01	45	1			SGB 46 F12VXP	69936676705	
			01	45	1			SGB 46 HVX	66243570380*	
			01	45	1			SGB 46 IVX	66253050175*	
300x40x51			01	45	1			SGB 60 KVX	69936676386	
			01	45	1			38A 46 KVS	66253051096*	
300x40x76			01	45	1			38A 60 KVS	66253049944*	
			01	45	1			38A 46 KVS	66253049948	
300x40x76,2			01	45	1			38A 60 KVS	66253049953	
			01	45	1			IPA 60 EH20VTX	66253049863	
			01	45	1			IPA 60 XH20VTX	66253049866	

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth

STRAIGHT WHEELS (CONTINUED)

DIM DIxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
						BEST					
						BEST					
<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> <div style="width: 20px; height: 10px; background-color: white; margin-right: 5px;"></div> Type 01 </div>											
300x40x127			01	45	1	3NQ 60 KVQN	66253262046*	SGB 46 G12VXP	69936639946	86A 54 G12VXP	66253051533*
			01	45	1	3SG 46 HVX	66253055893	38A 46 IVS	66253049975*		
			01	45	1	3SG 60 KVX	66253055053	SGB 60 KVX	66253050179*		
			01	45	1			38A 60 LVS	69936675891		
300x50x76,2			01	45	1			38A 46 IVS	66253050251		
	160	10	07	45	1	3NQ 46 HVQN	66253262412*				
300x50x127			01	45	1			IPA 60 EH20VTX	66253049869		
			01	45	1			38A 46 JVS	69936623649		
			01	45	1			IPA 60 XH20VTX	66253049872		
			01	45	1			38A 60 KVS	66253054524		
			01	45	1			SGB 46 G12VXP	66243570384		
355x25x127			01	45	1	3SG 60 LVX	66253055895	IPA 60 EH20VTX	66253049873		
			01	45	1			38A 60 LVS	69936675901		
			01	45	1			IPA 60 XH20VTX	66253049875		
			01	45	1			SGB 46 JVX	66253050118*		
			01	45	1			SGB 60 LVX	66253050135		
355x30x127			01	45	1			SGB 46 G11VXP	66253050177*		
355x32x127			01	45	1	3SG 60 KVX	66253055902	SGB 54 E12VXP	69936676713		
			01	45	1			38A 60 LVS	69936675903		
355x40x51			01	45	1			38A 46 KVS	66253051373*		
			01	45	1			38A 60 KVS	66253049963*		
355x40x127			01	45	1	3NQ 46 HVQN	66253262048*	IPA 60 EH20VTX	66253049877		
			01	45	1	3SG 46 HVX	66253055056	38A 46 JVS	69936623753		
			01	45	1	3SG 60 LVX	66253055057	IPA 60 XH20VTX	66253049879		
			01	45	1			38A 60 LVS	69936675908		
			01	45	1			SGB 46 G12VXP	66253049901		
			01	45	1			SGB 46 JVX	66253050117		
			01	45	1			SGB 80 I12VXP	66253055058*		
355x50x51			01	45	1			38A 46 KVS	66253049941*		
			01	45	1			38A 60 KVS	66253051101*		
355x50x127			01	45	1	3NQ 46 HVQN	66253262049	IPA 60 EH20VTX	66253049880		
			01	45	1	3NQ 46 F12VQNP	66253262055*	38A 46 IVS	69936675913		
			01	45	1	3SG 46 F12VXP	69936623900	IPA 60 XH20VTX	66253049883		
			01	45	1	3SG 46 HVX	66253055059	38A 46 I11VXP	66253050212		
			01	45	1	3SG 46 JVX	66253055063	SGB 46 H11VXP	66253054500		
			01	45	1			38A 46 KVS	66253051108		
			01	45	1			SGB 46 J12VX	69936623781		
			01	45	1			38A 60 KVS	66253049951		
			01	45	1			SGB 54 G12VXP	66253049857		
			01	45	1			38A 80 KVS	66253049955*		
		01	45	1			SGB 60 KVX	66253050138			

* Made-to-order

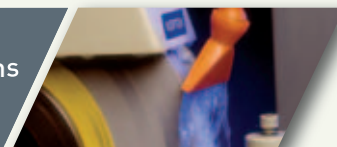
STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD
						BEST	BEST		
Type 01									
355x63x127			01	45	1			38A 46 KVS	66253049957*
			01	45	1			38A 60 KVS	66253049959*
406x25x127			01	45	1	3SG 60 LVX	66253055083	SGB 60 KVX	69936644046
			01	45	1			38A 60 LVS	69936694018
406x32x127			01	45	1			38A 60 LVS	66253049841
406x40x127			01	45	1	3SG 60 LVX	66253055086	SGB 60 KVX	66253049843
			01	45	1			38A 46 JVS	66243466541
			01	45	1			38A 46 KVS	66253055066*
			01	45	1			38A 60 LVS	66243466542
			01	45	1			38A 80 KVS	66253055069*
406x50x127			01	45	1	5NQ 46 G12VQNP	66253260614*	IPA 60 EH20VTX	66253049884
			01	45	1	3NQ 46 HVQN	66253258471*	38A 46 I12VXP	66253054508
			01	45	1	5SG 46 G12VXP	66243468188	IPA 60 XH20VTX	66253049885*
			01	45	1	3SG 46 HVX	66253055912	38A 46 JVS	66243466547*
			01	45	1	3SG 54 F12VXP	66253054506	SGB 46 G12VXP	66243468401
			01	45	1			38A 60 LVS	66243466546*
			01	45	1			SGB 46 HVX	66243448363
406x50x203			01	45	1			SGB 60 KVX	66253055072
			01	45	1			38A 46 KVS	66253055078*
406x60x127			01	45	1			38A 60 KVS	66253055079*
			01	45	1			38A 60 LVS	66253049839
406x76x127	215/ 215	12/ 25	07	45	1	3NQ 54 E12VQNP	66253260644*		
457x50x127			01	45	1			38A 60 LVS	66243466558

* Made-to-order


DIAMOND DRESSING

- Norton offers an extensive range of complimentary diamond dressing solutions. For more information see page 404.



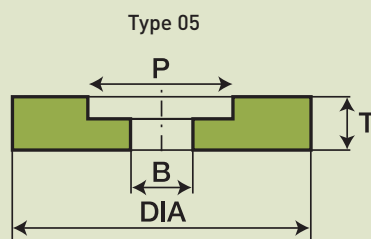
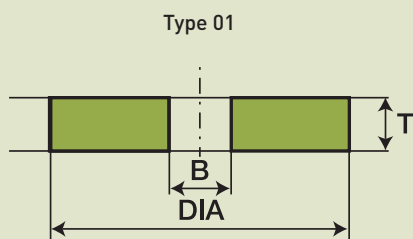
Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, P = Recess Diameter, F = Recess Depth

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD	
						BEST	BEST			
 Type 01										
500x50x203			01	45	1			38A 60 KVS	662530 54504*	
500x50x203,2			01	45	1			SGB 60 KVX	662434 48367	
500x60x203,2			01	45	1			SGB 60 KVX	662530 49853*	
500x63x203,2			01	45	1			38A 60 LVS	662434 47835*	
500x80x203,2			01	45	1			SGB 60 JVX	662530 49850*	
508x50x203,2			01	45	1	3NQ 60 KVQN	662532 60617*			
						3SG 60 KVX	662530 55088			
508x80x203,2			01	45	1			38A 60 LVS	662434 65706	
508x203x304,8			01	45	1					57A 60 MVS 662530 49852
710x40x50			01	45	1					A90 NVS 662530 49847*

* Made-to-order

SHAPE KEY




GEAR GRINDING WHEELS


Introducing the new Norton Gear Grinding Fast Track Service. All Norton profile wheels are produced on a made to order basis using CNC controlled machines & are finished using Norton dressing tools. This gives Norton gear grinding wheels excellent accuracy & repeatability.

APPLICATIONS & MARKETS

- Gear Grinding



BEST	ALTOS		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ 100% high performance ceramic aluminium oxide grain ■ High porosity and permeability, which maximises the amount of coolant in the grinding zone ■ Optimum grain spacing 	<ul style="list-style-type: none"> ■ Extremely sharp ceramic grain with excellent cutting capability ■ Very high metal removal rates – 2 to 3 times more than standard abrasives ■ Improved form holding and reduced wheel dressing 	

BETTER	3TGP		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ High performance SG ceramic aluminium oxide abrasive ■ Harder & Sharper than conventional abrasive grains ■ Unique, self sharpening, microcrystalline structure 	<ul style="list-style-type: none"> ■ Blend of premium TG grain with pink alumina ■ High removal rate & wheel life ■ Suitable for medium to high power & stiff machines 	

KEY PROGRAM FEATURES

- Fast Track Service; 2 weeks leadtime

GOOD

27AH

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Monocrystalline grain ■ Tougher abrasive than pure white aluminium oxide 	<ul style="list-style-type: none"> ■ Consistent grinding performance ■ Cool & burn free cutting

WORM GEAR GRINDING

MACHINE	DIMENSIONS DIAxTxB (mm)	BEST		BETTER	
KLINGELNBERG	400x20-60*x127	TGX120F13VCF5	662532 53540	3TGP60G10VXPF	662532 53537

* Please indicate required dimensions at time of ordering. Please also send a technical drawing if available.

PROFILE GEAR GRINDING

MACHINE	DIMENSIONS DIAxTxB (mm)	BEST		BETTER	
PFAUTER	400x30-60*x127	TGX120F13VCF5	662532 53540	3TGP60G10VXPF	662532 53537
NILES	400x30-60*x127	TGX120F13VCF5	662532 53540	3TGP60G10VXPF	662532 53537

* Please indicate required dimensions at time of ordering. Please also send a technical drawing if available.

CONTINUOUS GENERATED GEAR GRINDING

MACHINE	DIMENSIONS DIAxTxB (mm)	GOOD			
REISHAUER	350x84x160	27AH100K8V4181			0031032 1581
	350x104x160	27AH100K8V4181			0031032 1581
	300x125x160	27AH100K8V4181			003103 77385
	275x125x160	27AH100K8V4181			003103 77385
GLEASON	350x104x160	27AH100K8V4181			0031032 1581
	240x125x120	27AH100K8V4181			003103 77385
OKAMOTO	350x104x160	27AH100K8V4181			0031032 1581

To proceed correctly customer's order, we would require indication of module number, angle, number of starts and/or drawing.

SHAPE KEY

Worm Gear Grinding	Profile Gear Grinding	Continuous Generated Gear Grinding


NON-FERROUS PRECISION GRINDING WHEELS

Norton vitrified grinding wheels have set the standard for generations – leading the way with technological improvements to maximise performance and productivity. Silicon carbide wheels are used primarily on tungsten carbide, non-magnetic stainless steel, aluminium and glass.

APPLICATIONS & MARKETS

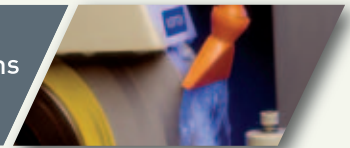
- Surface grinding
- Tool & cutter grinding
- Sharpening



BETTER	39C Type 01		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ Highest purity green silicon carbide abrasive ■ Harder & more friable than aluminium oxide abrasive 	<ul style="list-style-type: none"> ■ Ideal for precision grinding & sharpening applications on metal carbide 	

DIAMOND DRESSING

- Norton offers an extensive range of complimentary diamond dressing solutions
For more information see page 404



Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore

STRAIGHT WHEELS

DIM DIAxTxB(mm)	SHAPE	MOS (M/S)	PK QTY	BETTER	
Type 01					
76x25x12,7	01	45	10	39C 80 IV	66253052726
76x25x13	01	45	10	39C 80 IV	66253050168
80x25x12,7	01	45	10	39C 60 MV	66253051624
80x25x13	01	45	10	39C 60 MV	66253051623
100x10x32	01	45	2	39C 80 LVS	66253050380
	01	45	2	39C 120 KVS	66253049701*
125x13x32	01	45	2	39C 80 KVS	66253049896
125x16x32	01	45	2	39C 80 LVS	66253050393
125x20x32	01	45	2	39C 80 LVS	69936667443
150x4x32	01	45	2	39C 120 KVS	66253050248
150x6x32	01	45	2	39C 100 KVS	66253050377
	01	45	2	39C 120 KVS	69936675617
150x10x32	01	45	2	39C 80 KVS	66253050357
	01	45	2	39C 120 KVS	69936675629
150x13x32	01	45	2	39C 80 KVS	66253049897*
150x16x32	01	45	2	39C 60 KVS	69936675656
	01	45	2	39C 120 KVS	69936675659
	01	45	2	39C 80 LVS	69936675657
150x20x20	01	45	2	39C 60 JV	66253051383*
150x20x32	01	45	2	39C 60 KVS	69936641411
	01	45	2	39C 80 LVS	69936641413
	01	45	2	39C 100 JVS	66253050300*
	01	45	2	39C 120 KVS	69936641414
150x25x32	01	45	2	39C 60 KVS	69936675661
	01	45	2	39C 80 KVS	66253050278
	01	45	2	39C 120 KVS	69936675664
180x20x32	01	45	2	39C 60 KVS	69936641415
	01	45	2	39C 80 LVS	69936676582
	01	45	2	39C 120 KVS	69936675666
180x25x32	01	45	2	39C 60 KVS	69936675667
	01	45	2	39C 80 LVS	69936667101
200x6x32	01	45	2	39C 120 KVS	69936675636
200x10x32	01	45	2	39C 120 KVS	69936675637
200x13x32	01	45	2	39C 80 JVS	69936676152
200x20x20	01	45	2	39C 80 KVS	69936641417*
	01	45	2	39C 80 MVS	69936640220
200x20x32	01	45	2	39C 60 KVS	69936641418
	01	45	2	39C 80 KVS	69936676351
	01	45	2	39C 100 JVS	66253050389*
	01	45	2	39C 120 KVS	69936641421
200x20x51	01	45	2	39C 60 KVS	69936640176
200x20x76,2	01	45	2	39C 80 LVS	69936675671

* Made-to-order

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB(mm)	SHAPE	MOS (M/S)	PK QTY	BETTER	
Type 01					
200x25x32	01	45	2	39C 46 LVS	69936675639
	01	45	2	39C 60 KVS	69936641424
	01	45	2	39C 80 KVS	66253050276
	01	45	2	39C 100 JVS	66253050375*
	01	45	2	39C 120 KVS	69936641428
200x25x76,2	01	45	2	39C 60 KVS	69936675672
	01	45	2	39C 80 LVS	69936675673
	01	45	2	39C 120 KVS	69936675674
200x32x32	01	45	2	39C 60 KVS	69936640293
	01	45	2	39C 80 KVS	69936667106
	01	45	2	39C 120 KVS	69936675677
200x32x51	01	45	2	39C 60 KVS	69936641031
200x32x76,2	01	45	2	39C 60 KVS	69936675643
	01	45	2	39C 80 KVS	69936675644
	01	45	2	39C 120 KVS	69936675678
225x25x32	01	45	2	39C 60 LVS	69936667108*
225x32x32	01	45	2	39C 80 KVS	69936667109*
250x13x32	01	45	1	39C 36 KV	69936655917*
250x25x32	01	45	1	39C 60 KV	66253049923*
	01	45	1	39C 60 LVS	69936667111*
	01	45	1	39C 80 KV	66253050477
	01	45	1	39C 80 LVS	69936675679
250x25x76,2	01	45	1	39C 54 MVS	69936623732
	01	45	1	39C 100 KVS	69936623643
250x32x32	01	45	1	39C 60 KVS	69936639837
	01	45	1	39C 80 KVS	69936640845
300x25x127	01	45	1	39C 60 KVS	69936623687
	01	45	1	39C 80 JVS	69936640343
	01	45	1	39C 100 KVS	69936623679*
300x32x127	01	45	1	39C 60 KVS	69936693249
300x40x32	01	45	1	39C 60 KVS	69936639362
	01	45	1	39C 80 KVS	69936676387
300x40x76	01	45	1	39C 90 KVS	69936639836*
300x40x127	01	45	1	39C 46 KV	66253050289*
	01	45	1	39C 60 KVS	69936675684
	01	45	1	39C 80 KVS	69936675649
355x32x127	01	45	1	39C 60 KVS	69936675650
	01	45	1	39C 80 KVS	69936675651
355x40x127	01	45	1	39C 60 KVS	69936675685
406x40x127	01	45	1	39C 80 KVS	66243466414

* Made-to-order

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.



Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore

Vitrified bench grinding wheels are used for off-hand tool sharpening and grinding.

APPLICATIONS & MARKETS

- Sharpening
- Tool room



GOOD	A	 Type 01	
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ Regular brown aluminium oxide abrasive ■ Contains 3% titanium oxide ■ Unique, self sharpening, microcrystalline structure 	<ul style="list-style-type: none"> ■ Very tough, suitable for grinding most types of steel & soft iron ■ Good cost/performance compromise ■ Hard wearing wheels for general purpose cylindrical off-hand bench & pedestal grinding applications 	

DIAMOND DRESSING

- Norton offers an extensive range of complimentary diamond dressing solutions. For more information see page 404



STRAIGHT WHEELS

DIM DIxTxB[mm]	MOS (M/S)	PK QTY	GOOD	
 Type 01				
125x15x20	45	2	A 60 NVS	662530 50184
	45	2	A 36 PVS	699366 66907
125x20x32	45	2	A 46 NVS	699366 75558
	45	2	A 60 NVS	699366 66909
150x16x32	45	2	A 36 PVS	699366 75559
	45	2	A 46 NVS	699366 75560
	45	2	A 60 NVS	699366 75561
150x20x20	45	2	A 60 MVS	662530 51382
150x20x31,75	45	2	A 36 PVS	699366 23300*
150x20x32	45	2	A 24 RVS	699366 66911*
	45	2	A 36 PVS	699366 41366
	45	2	A 36 QVS	662530 50263*
	45	2	A 46 NVS	699366 41367
	45	2	A 60 NVS	699366 41368

* Made-to-order

STRAIGHT WHEELS (CONTINUED)

DIM DlAxTxB(mm)	MOS (M/S)	PK QTY	GOOD		DIM DlAxTxB(mm)	MOS (M/S)	PK QTY	GOOD	
Type 01					Type 01				
150x25x32	45	2	A 36 PVS	699366 66914	250x40x32	45	1	A 36 QVS	699366 66945
	45	2	A 36 QVS	662530 50265		45	1	A 60 NVS	699366 66946
	45	2	A 46 NVS	699366 41370		45	1	A 24 QVS	699366 75574
180x20x31,75	45	2	A 46 NVS	699366 23305*	300x32x32	45	1	A 36 OVS	699366 75575
180x20x32	45	2	A 46 NVS	699366 41372		45	1	A 60 KVS	662530 51091*
	180x25x32	45	2	A 60 NVS	699366 80380	300x32x50,8	45	1	A 24 QVS
45		2	A 24 RVS	699366 66922*	45		1	A 46 NVS	699366 75578
45		2	A 30 PVS	699366 39691	45	1	A 24 QVS	699366 75579	
45		2	A 36 QVS	699366 66923*	300x32x127	45	1	A 36 OVS	699366 75580
200x20x32	45	2	A 46 NVS	699366 75564		45	1	A 46 NVS	699366 75581
	45	2	A 60 NVS	699366 76609	300x40x30	45	1	A 36 PVS	699366 81734
	45	2	A 24 RVS	699366 66926*		45	1	A 60 NVS	699366 81735
	45	2	A 30 PVS	699366 75566	300x40x32	45	1	A 46 NVS	699366 39682
200x25x32	45	2	A 36 QVS	699366 66928*		45	1	A 60 MVS	699366 40221
	45	2	A 46 NVS	699366 41375	300x40x50	45	1	A 90 OVS	699366 40787*
	45	2	A 60 NVS	699366 66929		300x40x50,8	45	1	A 60 NVS
	45	2	A 24 RVS	699366 76374	300x40x51		45	1	A 24 PVS
200x25x32	45	2	A 30 PVS	699366 41382		45	1	A 60 KVS	662530 51092*
	45	2	A 36 PVS	699366 41383	300x40x76	45	1	A 60 NVS	699366 39611*
	45	2	A 36 QVS	662530 50267		300x40x76,2	45	1	A 36 OVS
	45	2	A 46 MVS	662530 50271	300x40x127		45	1	A 24 QVS
	45	2	A 60 NVS	699366 93708		45	1	A 36 OVS	699366 75584
	45	2	A 30 PVS	699366 75567	45	1	A 46 NVS	699366 75585	
200x25x76,2	45	2	A 46 NVS	699366 75568	300x50x32	45	1	A 24 QVS	699366 39767
	45	2	A 60 NVS	699366 75569		45	1	A 36 OVS	699366 81823
	45	2	A 24 RVS	699366 66930*		45	1	A 46 NVS	662435 70460*
200x32x32	45	2	A 36 PVS	699366 66932	350x40x35	45	1	A 60 NVS	662435 70484
	45	2	A 46 NVS	699366 40814		350x50x35	45	1	A 36 QVS
	45	2	A 60 NVS	699366 90246	45		1	A 24 RVS	699366 81743*
200x32x51	45	2	A 60 NVS	699366 40748	355x40x127	45	1	A 36 QVS	699366 81741*
200x32x76,2	45	2	A 46 NVS	662435 93707		45	1	A 60 NVS	699366 81742
	225x32x32	45	2	A 36 QVS	699366 66938	355x45x127	45	1	A 24 QVS
45		2	A 60 NVS	699366 94426*	45		1	A 46 NVS	699366 75587
250x25x32	45	1	A 36 PVS	699366 66940	355x50x127	45	1	A 36 OVS	699366 76013
	45	1	A 46 NVS	699366 41386		45	1	A 46 NVS	699366 75910
250x32x32	45	1	A 24 QVS	699366 66942	406x40x50,8	45	1	A 24 QVS	699366 75588
	45	1	A 30 PVS	699366 75572		45	1	A 36 OVS	699366 75589
	45	1	A 36 PVS	699366 66943		45	1	A 46 NVS	699366 75590
	45	1	A 46 NVS	699366 40194	406x50x50	45	1	A 24 QVS	699366 94363*
	45	1	A 60 MVS	699366 42130		45	1	A 24 QVS	662434 48177
406x50x127	45	1	A 24 QVS	662434 67496	406x50x127	45	1	A 24 QVS	662434 67496
	45	1	A 36 QVS	662434 67497		45	1	A 36 QVS	662434 67497

All wheels with diameters 100mm-200mm and a 32mm bore are supplied with plastic bushes to reduce the bore size to 20mm. For a full range of plastic bushes please refer to the Technical Information Section at the back of this catalogue.

* Made-to-order

Dimensions Key: DIM = Dimensions, D = Diameter, T = Thickness, B = Bore

Manufactured using Norton's market leading abrasives technology, vitrified dishes are designed to maximise performance and productivity in sharpening applications.

APPLICATIONS & MARKETS

- Sharpening



INNOVATION
BEST

5NQ

 Type 12

NORTON
QUANTUM

FEATURES

- Engineered ceramic grain shape and chemistry with new bond technology.
- A perfect blend between sharpness (free cutting) and toughness (life)

BENEFITS

- Versatile in all low, medium and high force applications
- 30% to 100% higher metal removal rate
- >15% lower threshold power



3SG®

 Type 12



FEATURES



- High concentration of SG® ceramic aluminium oxide abrasive
- Unique, self sharpening, microcrystalline structure

BENEFITS


- Very high cutting capability
- High removal rate & extended wheel life
- Suitable for very hard steels



BETTER	SGB®  Type 12		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ Medium concentration of SG® ceramic aluminium oxide abrasive ■ Harder & sharper than conventional abrasive grains 	<ul style="list-style-type: none"> ■ Good cutting capability ■ Suitable for low to medium power machines ■ Very versatile, for use on a wide variety of steels 	


GOOD	38A  Type 12		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ High purity white aluminium oxide abrasive ■ Friable abrasive 	<ul style="list-style-type: none"> ■ Cool & burn free cutting ■ Ideal for heat-sensitive applications with light to moderate feed rates 	

METAL PRECISION

DIM DIAxTxB (mm)	W (mm)	E (mm)	J (mm)	K (mm)	U (mm)	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD	
								BEST				
								BEST				
 Type 12												
76x8x12,7	5	8	25	25	1	45	10					38A 80 MVS 69936623916*
80x10x13	4	6	35	35	2,5	45	10					38A 60 LVS 69936688738*
100x13x12,7	5	7	45	50	2,5	45	2					38A 60 KVS 69936624605
100x13x20	5	7	41	41	3,2	45	2	3NQ 60 KVQN 66253262312*	SGB 60 LVX 69936686659			38A 60 KVS 69936686186
	5	7	41	41	3,2	45	2	3SG 60 KVX 66253050236				38A 120 MVS 69936686189
125x13x20	6	7	61	61	3,2	45	2	3NQ 60 KVQN 66253262411				
	6	7	61	61	3,2	45	2	3SG 60 JVX 69936686768				38A 60 KVS 69936686192
	6	7	61	61	3,2	45	2	3SG 60 KVX 66253050242				
150x13x20	7	9	86	86	3,2	45	2	3NQ 46 KVQN 66253262311*				38A 60 KVS 69936686199
	7	9	86	86	3,2	45	2	3SG 46 KVX 66253050143				
	7	9	86	86	3,2	45	2	3SG 60 JVX 69936686771				
150x13x20	8	9	56	56	3,2	45	2	3SG 60 LVX 66253050231	SGB 46 LVX 69936686732			38A 60 NVS 69936686818*
	8	9	56	56	3,2	45	2		SGB 60 LVX 69936682791			
150x13x32	7	9	86	86	3,2	45	2	3NQ 60 KVQN 66253261916				38A 46 KVS 69936686194
	7	9	86	86	3,2	45	2	3SG 46 KVX 66253050238				38A 60 KVS 69936686198
	7	9	86	86	3,2	45	2	3SG 60 KVX 66253050239				38A 120 JVS 69936686204*
150x16x20	8	9	66	66	3,2	45	2	3SG 54 LVX 69936686772*	SGB 60 KVX 66253050256*			38A 60 KVS 69936682252*
150x16x32	8	9	66	66	3,2	45	2	3SG 46 KVX 66253050141*				38A 60 KVS 69936688577*
	8	9	66	66	3,2	45	2	3SG 60 KVX 66253050232*	SGB 60 KVX 66253050245			
180x16x32	9	10	96	96	3,2	45	2		SGB 60 KVX 66253050247*			
180x20x32	9	11	70	70	3,2	45	2	3SG 54 KVX 66253050234	SGB 54 KVX 66253050260			
200x16x20	12	10	90	90	3,2	45	2					38A 46 JVS 69936688749*
200x20x32	10	12	90	90	3,2	45	2		SGB 46 JVX 66253050249			38A 60 KVS 69936686215
	10	12	90	90	3,2	45	2		SGB 60 KVX 66253050252			
200x32x32	10	12	92	92	3,2	45	2		SGB 46 IVX 66253050253			

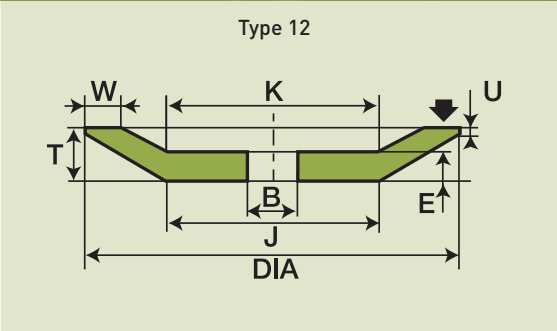
* Made-to-order

NON-FERROUS PRECISION

DIM DIAxTxB (mm)	W (mm)	E (mm)	J (mm)	K (mm)	U (mm)	MOS (M/S)	PK QTY	GOOD	
 Type 12									
150x13x32	7	9	86	86	3,2	45	2	39C 80 JV	699366 83998
200x20x32	10	12	90	90	3,2	45	2	39C 80 JV	699366 84001*

* Made-to-order

SHAPE KEY



Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, W = Rim Width, E = Back Thickness, J = External Flat Diameter, K = Internal Flat Diameter, U = Rim Depth

Manufactured with the Norton's leading technology, vitrified cups are designed to maximise performance and productivity for sharpening applications.

APPLICATIONS & MARKETS

- Sharpening



INNOVATION

BEST

5NQ



Type 06



Type 11

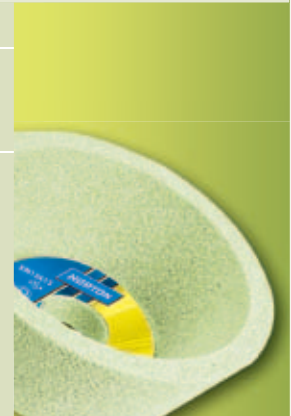
NORTON
QUANTUM

FEATURES

- Engineered ceramic grain shape and chemistry with new bond technology.
- A perfect blend between sharpness (free cutting) and toughness (life)

BENEFITS

- Versatile in all low, medium and high force applications
- 30% to 100% higher metal removal rate
- >15% lower threshold power



5SG®



Type 06



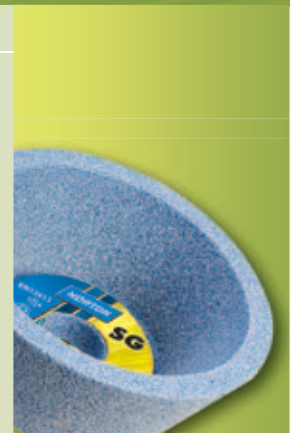
Type 11

FEATURES



- Very high concentration of SG® ceramic aluminium oxide abrasive

BENEFITS


- Ultimate cutting capability
- High removal rate & extended cup life
- Perfect for technical applications where grinding parameters can be adjusted to optimise performance




BEST

3SG®  Type 06  Type 11

FEATURES	BENEFITS
<ul style="list-style-type: none"> High concentration of SG® ceramic aluminium oxide abrasive 	<ul style="list-style-type: none"> Very good cutting capability
<ul style="list-style-type: none"> Unique, self sharpening, microcrystalline structure 	<ul style="list-style-type: none"> High removal rate & extended wheel life Suitable for very hard steels




BETTER

SGB®  Type 06  Type 11


FEATURES	BENEFITS
<ul style="list-style-type: none"> Medium concentration of ceramic aluminium oxide abrasive 	<ul style="list-style-type: none"> Good cutting capability
<ul style="list-style-type: none"> Harder & sharper than conventional abrasive grains 	<ul style="list-style-type: none"> Suitable for low to medium power machines Very versatile on a wide variety of steels





BETTER

39C  Type 06


FEATURES	BENEFITS
<ul style="list-style-type: none"> Highest purity green silicon carbide abrasive 	<ul style="list-style-type: none"> Ideal for precision grinding & sharpening applications on metal carbide & non-ferrous metals
<ul style="list-style-type: none"> Harder & more friable than aluminium oxide type abrasive 	





GOOD

38A  Type 06  Type 11


FEATURES	BENEFITS
<ul style="list-style-type: none"> High purity white aluminium oxide abrasive 	<ul style="list-style-type: none"> Cool & burn free cutting
<ul style="list-style-type: none"> Friable abrasive 	<ul style="list-style-type: none"> Ideal for heat-sensitive applications with light to moderate feed rates




GOOD

86A  Type 06  Type 11

FEATURES	BENEFITS
<ul style="list-style-type: none"> Highly refined pink aluminium oxide abrasive 	<ul style="list-style-type: none"> Very versatile
<ul style="list-style-type: none"> Tougher abrasive than pure white aluminium oxide 	<ul style="list-style-type: none"> Reduced dress frequency
<ul style="list-style-type: none"> Contains a small portion of chromium oxide 	



METAL PRECISION

DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
					BEST					
					BEST					
 Type 06										
63x40x20	10	10	45	10				38A 60 KVS	699366 74852	
80x40x20	6	8	63	6				38A 60 MVS M6	699366 74809	
	6	10	45	10			SGB 60 JVX	662435 70391		
	8	8	63	6				38A 60 KVS T6	699366 74810	
	8	10	45	10	5NQ 60 LVQN	662532 45186*				
	10	10	45	10			SGB 60 LVX	662530 50098		
80x40x32	10	10	45	10				38A 46 KVS	699366 74853	
100x40x32	13	13	45	2				38A 60 KVS	699366 74854	
100x50x19,8	11	11	45	2				38A 120 KVS	699366 23690*	
100x50x20	8	10	45	2			SGB 46 JVX	662435 70392		
	8	10	45	2			SGB 60 KVX	699366 41284		
	10	10	45	2	3NQ 60 JVQN	662532 62284*		38A 46 KVS	699366 44193	
	10	10	45	2	3SG 46 KVX	662530 50071		38A 60 JVS	699366 74860	
	10	10	45	2	3SG 60 JVX	662530 50069		38A 60 KVS	699366 74857	
	10	10	45	2	3SG 60 KVX	662530 49965		38A 80 JVS	699366 39600	
	10	10	45	2	3SG 70 KVX	662530 50067				
	10	13	45	2	3SG 60 LVX	662530 49960		38A 60 LVS	699366 39450	
	10	13	45	2	3SG 80 LVX	662530 49966		38A 60 MVS	699366 39460	
	10	13	45	2				38A 80 KVS	699366 39436	
100x50x32	10	10	45	2	5SG 60 KVX	662530 50070*		38A 60 KVS	699366 74859	
	10	10	45	2	3SG 46 JVX	662530 50072				
	10	10	45	2	3SG 60 KVX	662530 50073				
125x50x32	10	13	45	2				38A 60 LVS	699366 39992	
	13	13	45	2	3SG 46 JVX	699366 76356	SGB 60 JVX	662530 50075	38A 46 KVS	699366 74867
125x63x32	8	13	45	2				38A 46 KVS	662530 49958	
	10	10	45	2				86A 46 E12VXP	662530 51528	
	10	13	45	2			SGB 60 KVX	699366 40579		
	13	16	45	2				86A 46 G12VXP	662530 51525*	
150x32x32	35	12	45	2				38A 60 LVS	699366 40294*	
150x32x60	32	13	45	2				38A 60 MVS	699366 74871	
150x40x32	16	13	45	2				38A 46 HVS	699366 74872	
	16	13	45	2				38A 60 KVS	699366 74875	
150x50x32	16	16	45	2	3NQ 46 KVQN	662532 62277*	SGB 46 KVX	662530 50093	38A 46 JVS	699366 76128*
	16	16	45	2	3SG 46 KVX	662530 50068	SGB 60 KVX	662530 50076	38A 60 KVS	699366 74879
150x50x65	20	16	45	2				38A 60 LVS	699366 39480	
150x60x32	10	16	45	2			SGB 54 KVX	662530 50099		
150x63x32	16	16	45	2			SGB 46 JVX	662530 54727	38A 36 IVS	699366 40369
	16	16	45	2				38A 46 JVS	699366 74881	
150x63x50,8	16	16	45	2			SGB 36 HVX	662530 50080		
	16	16	45	2			SGB 60 JVX	662530 50082		

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, W = Rim Width, E = Back Thickness


* Made-to-order

METAL PRECISION (CONTINUED)

DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
					BEST	BEST				
Type 06										
150x80x32	20	20	45	2			SGB 46 G12VXP	699366 76357	38A 46 HVS	699366 74905
	20	20	45	2			SGB 46 HVX	662530 50096	38A 46 IVS	699366 58606*
165x63x32	10	13	45	2					38A 46 F12VXP	662530 51529
175x75x76,2	20	20	45	2			SGB 46 G12VXP	662530 50097	38A 36 IVS	699366 81747
	20	20	45	2					38A 46 H12VXP	699366 81146*
180x40x76,2	32	13	45	2					38A 46 MVS	699366 74884
180x45x60	40	16	45	2					38A 60 MVS	699366 74886
180x63x50,8	16	16	45	2			SGB 46 JVX	662530 50084	38A 36 HVS	699366 74887
180x76x32	16	16	45	2					38A 36 IVS	699366 39449
180x76x78	16	16	45	2	3NQ 36 IVQN	662532 62062*			38A 24 JVS	699366 39987
	16	16	45	2	3SG 36 IVX	662530 49962*			38A 36 IVS	699366 39587
	16	16	45	2					38A 36 JVS	699366 39817*
	16	16	45	2					38A 46 HVS	699366 39616*
	16	16	45	2					38A 46 IVS	699366 39533*
180x80x32	13	10	45	2			SGB 46 G12VXP	699366 40451		
	16	16	45	2					38A 46 HVS	699366 74889
200x40x32	45	15	45	2					38A 46 LVS	662435 70536
	45	15	45	2					38A 60 LVS	662435 70537
200x40x76,2	40	13	45	2			SGB 46 LVX	662530 50085	38A 46 KVS	699366 74880
	40	13	45	2			SGB 60 LVX	662530 50087	38A 46 MVS	699366 74890
200x63x50,8	20	20	45	2					38A 46 HVS	699366 74898
200x82x78	16	20	45	2	3NQ 36 IVQN	662532 62063*	SGB 36 H12VXP	699366 79013*	38A 36 IVS	699366 39502*
	16	20	45	2	3SG 36 IVX	662530 49964			38A 46 IVS	699366 39387
200x100x32	20	25	45	2			SGB 46 G12VXP	699366 40271*		

* Made-to-order


METAL PRECISION (CONTINUED)

DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	INNOVATION		BETTER	GOOD		
					BEST					
					BEST					
 Type 11										
80x32x20	6	8	45	6			SGB 46 KVX	662530 50125	38A 60 KVS	699366 82483
	6	8	45	6			SGB 60 LVX	662530 50137		
80x40x20	8	10	45	6	5NQ 80 JVQN	662532 45187*				
100x40x20	8	10	45	2	3NQ 60 KVQN	662532 62286	SGB 60 LVX	699366 86717*	38A 46 KVS	699366 86166
	8	10	45	2	3SG 46 KVX	662530 50127			38A 60 KVS	699366 86170
	8	10	45	2	3SG 60 KVX	662530 50110				
	8	10	45	2	3SG 60 LVX**	662530 55956*				
100x40x32	8	10	45	2	3NQ 46 KVQN	662532 62299	SGB 60 JVX	662530 50130*	38A 54 KVS	699366 86224*
	8	10	45	2	3SG 46 KVX	662530 50112			38A 60 KVS	699366 86169
	8	10	45	2	3SG 60 KVX	662530 50114			38A 60 LVS	699366 88495*
125x40x20	8	10	45	2	3SG 46 KVX	699366 86770			38A 46 JVS	699366 88603*
125x40x32	8	10	45	2	5SG 46 KVX	662530 50122*	SGB 60 JVX	699366 82429	38A 46 KVS	699366 86175
	8	10	45	2	3SG 60 KVX	662530 50116			38A 60 JVS	662530 50104*
	8	10	45	2					38A 60 KVS	699366 86176
	8	10	45	2					38A 80 KVS	662530 50106*
125x45x20	6	13	45	2	3NQ 46 KVQN	662532 62300*	SGB 60 KVX	699366 86736	38A 60 LVS	699366 88494*
	6	13	45	2	3SG 46 KVX***	662530 55954*			86 A 46 KVTECH	662530 50102*
	6	13	45	2	3SG 60 KVX***	662530 55955*				
150x50x20	10	13	45	2					38A 60 KVS	699366 82567*
150x50x32	10	13	45	2	3SG 60 KVX	662530 50119	SGB 46 KVX	699366 88939*	38A 46 KVS	699366 86177
	10	13	45	2			SGB 46 JVX	662530 50133	38A 60 KVS	699366 82576
	10	13	45	2			SGB 60 KVX	662530 50134		

Type 11R *Type11F

* Made-to-order

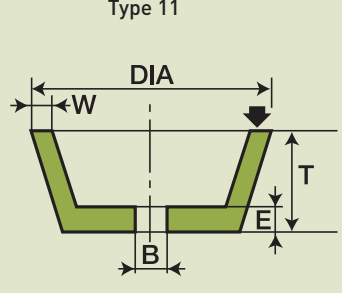
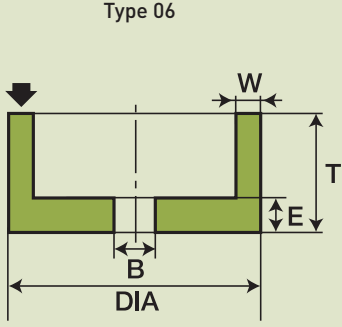
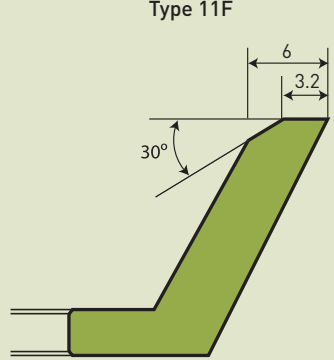
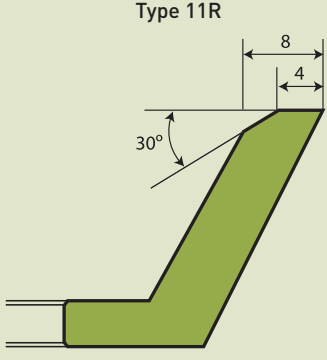
NON-FERROUS PRECISION

DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	GOOD				
 Type 06									
100x50x20	10	10	45	2		39C 80 KV			699366 68290
	10	13	45	2		39C 80 JVS			699366 40131
100x50x32	10	10	45	2		39C 60 JV			699366 68288
125x63x32	25	16	45	2		39C 60 JV			699366 68305
150x32x60	32	13	45	2		39C 80 JV			699366 68308*
200x40x76,2	40	13	45	2		39C 60 JV			699366 68347
	40	13	45	2		39C 80 JV			699366 68348
	40	13	45	2		39C 120 JV			699366 68353
300x63x127	40	20	45	1		39C 60 JV			699366 68365

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, W = Rim Width, E = Back Thickness

SHAPE KEY



Cylinders are relatively soft and have a thin contact area. They are normally used in a chuck or fixed to a plate. The part is held on a table and either reciprocates or turns in a clockwise direction. To improve safety, cylinders are bound with layers of multi-filament high strength tape.

APPLICATIONS & MARKETS

- Surface grinding



INNOVATION
BEST

5NQ

Type 02

NORTON
QUANTUM

FEATURES

- Engineered ceramic grain shape and chemistry with new bond technology.
- A perfect blend between sharpness (free cutting) and toughness (life)

BENEFITS

- Versatile in all low, medium and high force applications
- 30% to 100% higher metal removal rate
- >15% lower threshold power



BETTER

SGB®

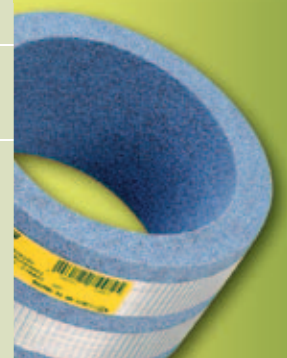
Type 02

FEATURES

- Medium concentration of ceramic aluminium oxide abrasive
- Harder & sharper than conventional abrasive grains

BENEFITS

- Good cutting capability
- Suitable for low to medium power machines
- Very versatile, for use on a wide variety of steels




GOOD

38A

Type 02

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ High purity white aluminium oxide abrasive ■ Friable abrasive 	<ul style="list-style-type: none"> ■ Cool and burn free cutting ■ Ideal for heat-sensitive applications with light to moderate feed rates

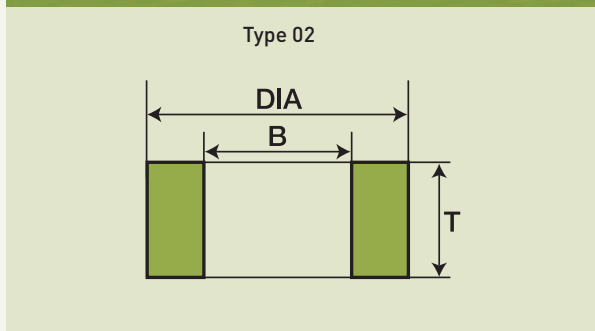


CYLINDERS

DIM DIAxTxB(mm)	PK QTY	MOS (M/S)	INNOVATION		BETTER	GOOD
			BEST	BEST		
Type 02						
127x50x101,6	2	45				38A 46 IVS 699366 23695*
150x16x20	2	45	3NQ 54 LVQN	662532 62061*		
152,4x50x127	2	45				38A 36 IVS 699366 23639*
200x100x160	2	45			SGB 46 HVX 699366 86693	38A 46 GVS 699366 86231
254x100x204	1	45				38A 46 GVS 699366 86297
457x125x377	1	45				38A 30 HVS 662434 65839*

* Made-to-order

SHAPE KEY



Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore

ORGANIC CUT-OFF WHEELS

Reinforced cut-off wheels contain fabric incorporated throughout the entire diameter which stops the wheel bending during operation. Non-reinforced cut-off wheels are only designed for use on fixed base machines, where the work is securely clamped, the wheel is adequately guarded and operating on a controlled cutting plane. They are suitable for use in dry or wet conditions, depending on bond type.



APPLICATIONS & MARKETS

REINFORCED CUT-OFF WHEELS

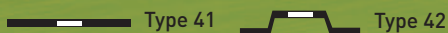
- Foundry – all steel types
- Aerospace
- Automotive

NON-REINFORCED CUT-OFF WHEELS

- Saw sharpening
- Tool cut-off
- Lab cut-off
- Industrial cut-off

BEST

4NZ (TOROS)



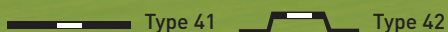
FEATURES

- High concentration of zirconia oxide abrasive
- Extremely tough aluminium oxide abrasive

BENEFITS

- Very long wheel life
- Very high cutting capability & high metal removal rate if high right pressure is applied: shelf re-sharpening
- Perfect for technical applications for premium performances

5NZ (TOROS)



FEATURES

- Medium concentration of zirconia oxide abrasive
- Extremely tough aluminium oxide abrasive

BENEFITS

- Long wheel life
- Good metal removal rate
- Versatile: suitable for most steels



BEST

XGP (TOROS)

— Type 41

FEATURES

- Special combination of abrasive blends
- High durability with a good cutting capability

BENEFITS

- Very long wheel life & high metal removal rate
- Perfect for lab applications
- Suitable for use on all types of steel



39C (TOROS)

— Type 41

FEATURES

- Highest purity green silicon carbide abrasive
- Harder & more friable than aluminium oxide abrasive

BENEFITS

- Excellent to cut all non metals (titanium, aluminum, bronze)
- Extremely friable abrasive for better cutting efficiency & cut quality



74C (TOROS)

— Type 41

FEATURES

- Special blend silicon carbide abrasives
- More durable than the sharper 39C abrasive

BENEFITS

- Good wheel life, limited metal removal rate
- Good to cut aluminum, cast iron & bronze



BETTER

U57A

— Type 41 — Type 42

FEATURES

- Specially treated brown aluminium oxide abrasive
- Tough & hard aluminium oxide abrasive
- Not suitable for use on extremely hard materials

BENEFITS

- Long wheel life
- Ideal for heavy duty applications



57A

 Type 41

FEATURES

- Semifriable aluminium oxide abrasive
- Less tough than type A abrasive but offers better cutting quality
- Pointed shape

BENEFITS

- Cool & burn free cutting
- Ideal for heat-sensitive applications with light to moderate feed rates
- Suitable for all steels
- Good compromise between cut quality & wheel life
- Very versatile: suitable for all steels



A

 Type 41

FEATURES

- Tougher than pure white aluminium oxide abrasive
- General purpose abrasive suitable for most operations

BENEFITS

- Good wheel life, limited metal removal rate
- Good for cutting medium to soft steels
- Economy product
- First choice for less technical applications



23A

 Type 41

FEATURES

- An abrasive blend of semifriable 57A aluminium oxide & white monocristalline 32A aluminium oxide

BENEFITS

- Cool & burn free cutting
- Suitable for all steels
- Improved metal removal rate compared to 57A pure semifriable aluminium oxide abrasive



GOOD

SPEC CHECK

- **B24** New generation bond used on silicon carbide cut-off wheels that gives the best performance & the ultimate cut quality on non-ferrous metals in wet conditions
- **B25** Standard multi-purpose bond that offers durability & freeness of cut in a wide variety of materials & applications. Can also be used in wet cutting on softer grades
- **B26** New generation bond used on aluminium oxide cut-off wheels that gives the best performance & the ultimate cut quality on ferrous metals in wet conditions
- **BF1** Specific bond ensuring the best quality of cut in dry or wet conditions
- **BF3** New generation bond assuring the best wheel life in dry cutting operations; versatile & long wheel life. Ideal for heavy duty operations
- **B65** Traditional bond gives good performance & long wheel life in dry cutting conditions

NON-REINFORCED



DIM DIAxTxB(mm)	MOS (m/s)	PK QTY	BEST		GOOD	
Type 41						
100x1x13	80	25			57A 60 PB25	662530 56355
100x1x20	80	25			23A 80 PB25	662530 56356
125x1x13	80	25			57A 60 PB25	662530 56357*
125x1x16	80	25			23A 80 PB25	662530 56358
125x1x20	80	25			57A 60 PB25	662530 56359
150x1x13	80	25			23A 80 PB25	662530 56361
150x1x16	80	25			23A 80 PB25	662530 56363
150x1x20	80	25			23A 80 NB25	662530 56367
	80	25			23A 80 PB25	662530 56368
150x1x32	80	25			57A 60 PB25	662530 56373
150x1,6x16	80	25			23A 60 NB25	662530 56362
150x1,6x20	63	25			23A 60 LB25	662530 56365
	80	25			23A 60 NB25	662530 56366
	80	25			57A 60 PB25	662530 56364
150x1,6x31,75	80	25			57A 60 RB25	662530 56371
150x1,6x32	80	25			57A 60 NB25	662530 56360
	80	25			57A 60 PB25	662530 56372
	80	25			57A 60 PB25	662530 56370
150x2x20	80	25			23A 60 NB25	662530 56370
150x2x32	80	25			57A 60 PB25	662530 56369
150x3x32	80	25			57A 60 PB25	662530 56374
180x1,6x31,75	80	25			57A 60 PB25	662530 56375
	80	25			57A 60 RB25	662530 56376
200x1,5x20	63	10	XGP 70 FB26 (Toros)	662530 60407*		
200x1,6x20	80	25			57A 60 PB25	662530 56377
200x1,6x32	80	25			57A 60 NB25	662530 56382
	80	25			57A 60 PB25	662530 56380
	80	25			57A 60 RB25	662530 56381
	80	25			57A 60 RB25	662530 56381
200x2x20	63	25			23A 60 LB25	662530 56378
200x2x25,4	80	25			57A 60 PB25	662530 56379
250x1,6x25,4	80	10			57A 60 NB25	662530 56383
250x1,6x32	63	10	39C 70 DB24 (Toros)	662530 60408*		
	63	10	74C 70 FB24 (Toros)	662530 60415		
	63	10	XGP 70 EB26 (Toros)	662530 60409		
	63	10	XGP 70 FB26 (Toros)	662530 60410		
	63	10	XGP 70 HB26 (Toros)	662530 60411		
	63	10	XGP 70 JB26 (Toros)	662530 60412		

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore

NON-REINFORCED (CONTINUED)



DIM DIAxTxB(mm)	MOS (m/s)	PK QTY	BEST		GOOD	
Type 41						
300x2x32	63	10	39C 70 DB24 (Toros)	66253060419*		
	63	10	XGP 70 EB26 (Toros)	66253060418		
	63	10	XGP 70 FB26 (Toros)	66253060417		
350x2,5x32	63	10	39C 70 DB24 (Toros)	66253060423*		
	63	10	74C 70 FB24 (Toros)	66253060422*		
	63	10	XGP 70 EB26 (Toros)	66253060414		
	63	10	XGP 70 FB26 (Toros)	66253060420		
400x3x32	63	10	XGP 60 EB26 (Toros)	66253060425		
	63	10	XGP 60 FB26 (Toros)	66253060424		
450x3,5x32	63	10	XGP 60 EB26 (Toros)	66253060428		

* Made-to-order

REINFORCEMENTS

- The main purpose of the fibreglass reinforcement in cut-off wheels is safety. Reinforcements also permit wheels to withstand high rotational speed & make them more flexible. Reinforcements can be external or internal, half or full diameter. Reinforcements impact the cutting profile, affecting both the straightness & quality of cut.

Straight Type 41

Depressed Centre Type 42

NA

NA2*

NA3

NA4

NA6

DA6

DA8

*NA2 is different from NA because it has lighter reinforcements

SPEC CHECK

- Non-reinforced cut-off wheels are designed for use on "fixed base" machines where the work is securely clamped, guarded, & where the wheel operates on a controlled cutting plane
- Run the cut-off machine at the highest possible speed marked on the wheel
- Long life wheels should be used on a cut-off machine with 1 horsepower for every 25mm wheel diameter. With a less powerful machine, we recommend starting with a Free Cut specification

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore

REINFORCED



DIM DIAxTxB(mm)	MOS (m/s)	PK QTY	BEST		BETTER		GOOD	
Type 41								
150x2x20	80	25			U57A 60 QB25 NA2	662530 56384		
200x2x20	80	25			U57A 60 QB25 NA2	662530 56385*		
200x2x32	80	25			U57A 60 OB25 NA2	662530 56386		
300x3,5x25,4	80	10	4NZ 30 TB65 NA	662530 56387				
350x3,5x25,4	80	10	4NZ 30 TB65 NA	662530 59172				
	80	10	4NZ 30 TBF3 NA (Toros)	662530 56388				
400x4x25,4	80	10			U57A 24 TB65 NA	662530 56389		
400x4x32	80	10	4NZ 30 XBF3 NA (Toros)	662530 59174				
400x4,5x25,4	80	10	4NZ 30 XB25 NA	662530 59175				
	80	10	4NZ 30 YB65	662530 56390*				
400x4,5x40	80	10					57A 24 PB25 NA4	662530 59176
500x4,5x25,4	80	10	4NZ 24 TB65 NA	662530 56527				
500x5,5x25,4	80	10					57A 24 TB25 NA (RC26)	662530 56529
	80	10	4NZ 30 XB25 NA	662530 56535				
	80	10					57A 24 PB25 NA4	662530 56533
500x5,5x40	80	10					57A 24 RB25 NA4 (TBDX METAL)	662530 56536
	100	10			57A2 44 TBF1 NA4 (Toros)	662530 56534		
600x6,5x60	100	5					57A 24 PB25 NA6	662530 57645
600x7x60	100	5			U57A 24 VBF3 NA6 (Toros)	662530 57646		
600x7x76	100	5			U57A 24 RBF3 NA6 (Toros)	662530 60717*		
Type 42								
400x5x76,2	80	10	4NZ 24 ZB25 DA8 (NZ 28 DR)	662530 56523	U57A 20 VB25 DA8 (UA26 DR)	662530 56524		
	80	10	5NZ 24 PBF3 DA6 (Toros)	662530 56525*				
508x6x76,2	80	10	4NZ 24 ZB25 DA8 (NZ 28 DR)	662530 56539	U57A 20 RB25 DA8	662530 56538		
	80	10	5NZ 20 PBF3 DA6 (Toros)	662530 56540*				

* Made-to-order

Norton offer a range of products for portable snagging foundry applications. Type 01 straight wheels are used on portable machine and Type 06 and 11 cup wheels on vertical grinders. Since finish tolerances are not usually critical, coarse, durable wheels are used with grit sizes ranging from 16 to 24.

APPLICATIONS & MARKETS

- Foundries
- Welding shops
- Steel mills
- Forge shops






BEST	ZF7A/ZF7C Type 01		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ Special design of abrasive blends ■ High durability & versatility 	<ul style="list-style-type: none"> ■ Very good compromise between wheel life & metal removal rate ■ ZF7A is premium product for all steels ■ ZF7C is premium product for all non-ferrous metals 	

GOOD	A/AZ Type 06 Type 11		
	FEATURES	BENEFITS	
	<ul style="list-style-type: none"> ■ Tougher than pure white aluminium oxide abrasive ■ General purpose abrasive ideal for most operations 	<ul style="list-style-type: none"> ■ Long wheel life, limited metal removal rate ■ AZ is a blend of aluminium oxide & zirconia ■ Good for cutting medium to soft steels ■ Economy product ■ First choice for less technical applications 	
	C Type 11		
	FEATURES	BENEFITS	
<ul style="list-style-type: none"> ■ Low purity black silicon carbide abrasive ■ Harder & more friable than aluminium type abrasives 	<ul style="list-style-type: none"> ■ Suitable for roughing operations in coarse grit & resinoid wheels ■ Ideal for grinding & sharpening applications on metal carbide & non-ferrous metals ■ Cheap alternative, first choice if no technical specific requirement 		

SPEC CHECK

- **B & B3** Foundry & portable wheels: multi-purpose bond that gives satisfactory results on most applications
- **B28** Foundry wheels: high level bond suitable for most technical applications requiring high powered machines

PORTABLE SNAGGING

DIM DIAxTxB(mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY		GOOD
 Type 01						
50x10x10			50	20	A 24 TB	662530 57648
50x13x10			50	20	A 24 TB	662530 57649
50x20x10			50	20	A 24 PB	662530 57650*
63x13x9,53			50	20	A 24 TB	662530 57653
			50	20	A 24 TB	662530 57652
63x13x10			50	20	A 24 RB	662530 57651*
63x20x10			50	20	A 24 TB	662530 57655*
70x20x10			50	20	A 24 PB	662530 57656
80x13x10			50	20	A 24 PB	662530 57659*
			50	20	A 24 TB	662530 57658
100x20x20			50	20	A 24 RB	662530 57660*
100x25x16			50	20	A 16 SB	662530 57661*
100x25x20			50	20	A 16 SB	662530 57662
			50	20	A 24 PB	662530 57663
150x25x16			50	10	A 16 PB	662530 57664*
200x20x32			50	10	A 24 QB	662530 60720*
200x25x32			50	10	A 24 QB	662530 60722*
 Type 06						
125x68x20	30	18	50	8	AZ 24 RB	662434 50227
 Type 11						
125x50xM14	25	20	50	10	A 20 MB	662435 70663
	25	20	50	10	C 20 PB	662435 70664
125x50xW5/8	25	20	50	10	A 20 PB	662435 70671
	25	20	50	2	C 16 NB	692104 32282
150x50xW5/8	33,3	20	50	8	A 16 PB	662530 57666*
	32	20	50	8	A 20 MB	662435 70668
	40	20	50	4	C 16 NB	692104 32287

* Made-to-order

Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, W = Rim Width, E = Back Thickness

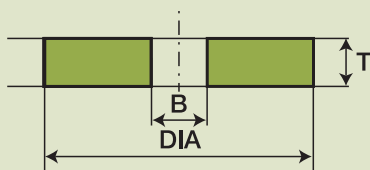
PEDESTAL SNAGGING

DIM DIAxTxB(mm)	MOS (m/s)	PK QTY	BEST		GOOD	
Type 01						
300x50x32	50	2			A 16 NB3	66253061993*
	50	2			A 36 06B3	66253061994
355x50x127	50	2			A 16 0B28	66253057667*
400x50x127	50	2			A 24 QB3	66253060723*
508x50x50	50	1	ZF7A 16 R5B3	66253057670*		
508x50x127	50	1			A 16 NB28	66253057668*
508x60x127	50	1	ZF7A 20 Q5B3	66253057673*		
	50	1	ZF7A 16 R5B3	66253057671		
760x76x304,8	50	1	ZF7C 16 3PB28	66253057679*		
760x80x304,8	50	1	ZF7A 14 3RB28	66253057675		
	50	1	ZF7A 16 3RB28	66253057676*		

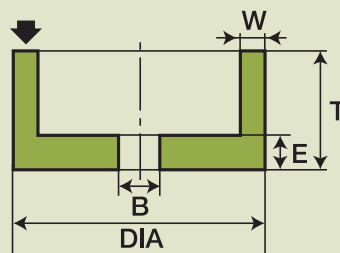
* Made-to-order

SHAPE KEY

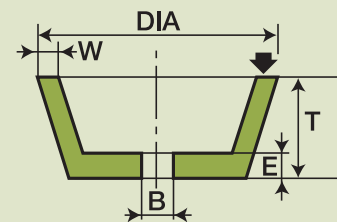
Type 01



Type 06

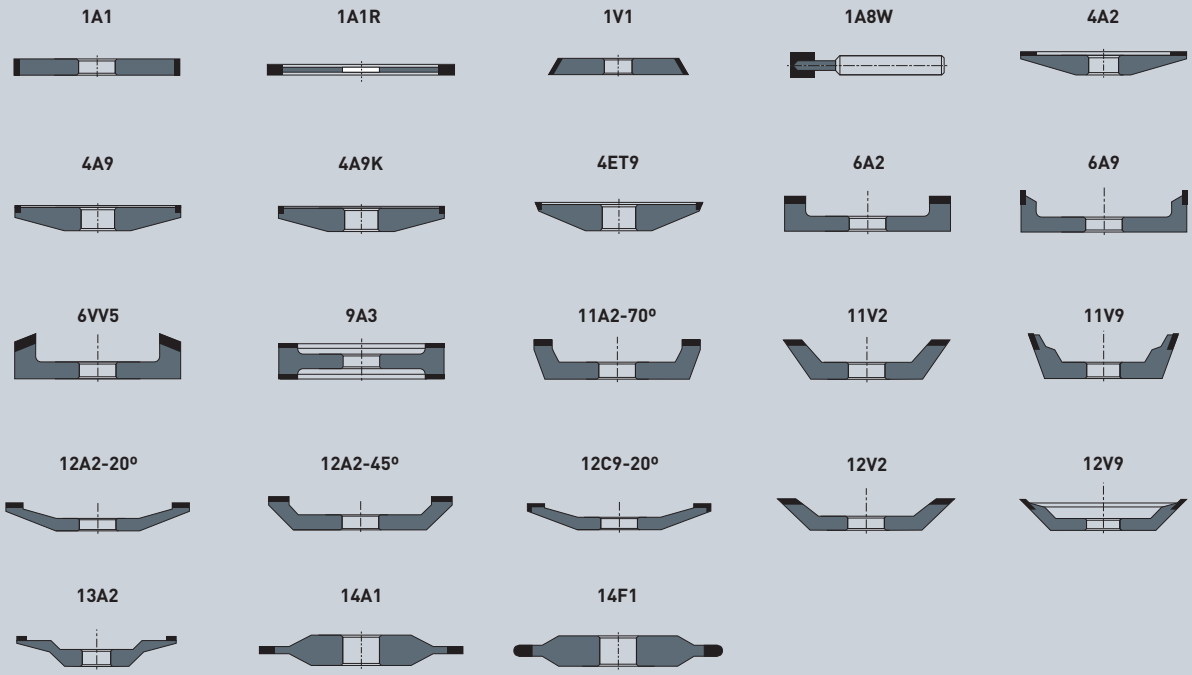


Type 11



Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore

WHEEL SHAPES



DIAMOND WHEELS

FEATURES	BENEFITS
<ul style="list-style-type: none"> High quality synthetic diamond 	<ul style="list-style-type: none"> High material removal rates; longer wheel life versus conventional silicon carbide wheels
<ul style="list-style-type: none"> Pre-engineered resin bond - B99 	<ul style="list-style-type: none"> Free cutting; superior form holding; efficient wet or dry Ideal for dry tool room reconditioning applications Ideal for 1A1R cut-off applications & grinding glass or ceramic materials
<ul style="list-style-type: none"> Optimised design 	<ul style="list-style-type: none"> Fast stock removal, cool cutting; excellent for dry off-hand finishing of carbide tools, no wheel dressing required Most durable under high grinding forces; excellent for wet off-hand finishing of carbide tools



CBN WHEELS

FEATURES	BENEFITS
<ul style="list-style-type: none"> CBN abrasive material is 2nd in hardness to Diamond 	<ul style="list-style-type: none"> Easily cuts difficult to grind steel parts, RC 50 or harder
<ul style="list-style-type: none"> High quality durable CBN abrasive 	<ul style="list-style-type: none"> Highly wear resistant & thermally stable
<ul style="list-style-type: none"> Pre-engineered resin bond - B99 	<ul style="list-style-type: none"> Free cutting, superior form holding
<ul style="list-style-type: none"> High performance Aztec IV bond 	<ul style="list-style-type: none"> Larger cutting depth
<ul style="list-style-type: none"> Optimised design 	<ul style="list-style-type: none"> Most efficient for dry tool resharpener especially where heavy stock removal is required



PRODUCT SELECTION

OPERATION	TYPE	APPLICATION	RECOMMENDATION
DIAMOND WHEELS STARTING RECOMMENDATIONS			
Cutting-off	1A1R		ASD126R75B99
Surface grinding	1A1	(Wet) Rough grinding of cemented carbides & hard (>55HRC) plasma & ceramic spray coatings	ASD126R75B99
		(Wet) Rough grinding of combination of cemented carbide & steel (>35%)	AMD126R50B99
Cylindrical grinding OD	1A1, 14A1		ASD126R75B99
Cylindrical grinding ID	1A1, 1A8W		ASD126R75B99 ASD126R100B99
Tool & cutter grinding	6A2, 4A2, 11V2, 11A2, 12A2	Roughing	ASD151R75B99 ASD126R75B99
		General purpose - Durable General purpose - Small contact General purpose - Free cutting General purpose - Larger contact	ASD107R100B99 ASD91R100B99 ASD107R75B99 ASD107R50B99 ASD91R50B99
		Finishing	ASD64R75B99 ASD64R50B99 ASD54R50B99
Tool resharpening	11V9, 12V9, 1A1, 1V1	Manual (dry) CNC (wet)	ASD126R75B99 ASD64R100B99
Woodworking	12V2, 12A2-20°, 13A2 6A2, 12A2-45°, 11A2, 14A1, 14F1, 1A8W, 4A9, 4A9k, 6VV9	Face grinding Tooth top	ASD46R75B99 ASD107R75B99
CBN WHEELS STARTING RECOMMENDATIONS			
Cutting-off	1A1R		CTB151B99
Cylindrical grinding OD	1A1, 14A1		CB126TB99
Cylindrical grinding ID	1A1, 1A8W		CB126TB99
Tool sharpener grinder	6A2, 4A2, 11A2, 12A2		CB126TB99
Surface grinding	1A1		CB126TB99
Tool & cutter grinding	11V9, 12V9 1A1, 1V1	Manual (dry)	AZTEC IV (dry)
		CNC (wet)	CB126TB99 CB107WB99
Woodworking	12V2, 12A2-20°, 13A2 6A2, 12A2-45°, 11A2, 14A1, 14F1, 1A8W	Face grinding Tooth top	CB126TB99

1A1



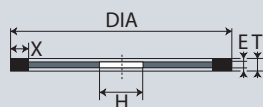
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	PK QTY	BEST		BETTER	
15	12	6	2	1	ASD126R100B99	69014151486		
20	10	6	2	1	ASD126R100B99	69014151728		
25	10	6	2	1			ASD126R75B99	69014151498
	12	6	2	1	ASD126R100B99	69014151503		
30	10	6	3	1			ASD126R75B99	69014151508
	10	10	3	1			ASD126R75B99	69014151510
40	15	10	3	1			ASD126R75B99	69014151516
50	15	20	3	1			ASD126R75B99	69014151521
100	4	20	3	1			ASD91R75B99	69014151528
	6	32	3	1	ASD91R100B99	69014152303		
	10	20	5	1			ASD91R75B99	60157681620
	10	20	5	1	ASD64R100B99	60157681660		
	12	20	5	1	ASD64R100B99	60157681662		
	15	20	5	1			ASD91R75B99	60157681667
	15	20	5	1	ASD64R100B99	60157681669		
125	5	20	3	1			ASD126R75B99	69014151531
	10	20	5	1	ASD126R100B99	60157682091		
	10	20	10	1	ASD64R100B99	60157681670		
	12	20	10	1	ASD64R100B99	60157681672		
	16	20	10	1	ASD64R100B99	60157681674		
150	10	20	3	1			ASD126R50B99	60157636274
	10	32	3	1			ASD126R75B99	69014151540
	12	20	10	1	ASD64R100B99	60157681675		
175	15	32	1,5	1			ASD126R50B99	69014151545
200	10	32	3	1			ASD126R75B99	69014151550
	10	51	3	1			ASD126R75B99	69014152165
	15	32	3	1			ASD126R75B99	69014151558
	15	76,2	3	1			ASD126R75B99	69014151560
	10	76,2	3	1			ASD126R75B99	69014151565
250	15	76,2	3	1			ASD126R75B99	60157636276
	20	76,2	1,5	1			AMD126R50B99	69014151567
	10	127	3	1			ASD126R75B99	69014151570
300	15	127	3	1			ASD126R75B99	60157636277
	20	127	1,5	1			AMD126R50B99	69014151576

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	PK QTY	BEST		BETTER	
12	10	6	2	1	CB126WB99	69014151482		
15	10	6	2	1	CB126WB99	69014151484		
	12	6	2	1	CB126WB99	69014151487		
20	10	6	2	1	CB126WB99	69014151492		
	15	6	2	1	CB126WB99	69014151495		
25	10	10	2	1	CB126WB99	69014151502		
	12	10	2	1	CB126WB99	69014151507		
30	15	10	3	1	CB126WB99	60157636271		
40	15	8	3	1	CB126WB99	69014151518		
	15	10	3	1	CB126WB99	69014151519		
50	15	20	3	1	CB126WB99	69014151524		
60	15	20	3	1	CB126WB99	60157636272		
100	10	20	3	1			CB126TB99	69014151529
	10	20	5	1	CB107WB99	60157681762		
	15	20	5	1	CB107WB99	60157681763		
125	10	20	10	1	CB107WB99	60157681764		
150	10	20	3	1			CB126TB99	69014151541
	12	20	10	1	CB107WB99	60157681765		
175	8	31,75	5	1	CB107WB99	60157682092		
200	10	32	3	1			CB126TB99	69014151552
	10	51	3	1			CB126TB99	60157636302
	15	32	3	1			CB126QB99	69014151556
	15	76,2	3	1			CB126TB99	69014151562
250	20	76,2	1,5	1			CB126QB99	69014151569
300	15	76,2	3	1			CB126TB99	69014151573
	15	127	3	1			CB126TB99	69014151574
	20	127	1,5	1			CB126QB99	69014151578

1A1R



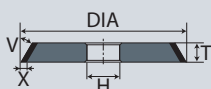
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	E (mm)	PK QTY	BETTER	
100	0,9	20	5	0,7	1	ASD126R75B99	60157681683
125	1	20	5	0,7	1	ASD126R75B99	60157681686
150	1	20	5	0,8	1	ASD126R75B99	60157681688
200	1,2	25,4	5	0,9	1	ASD126R75B99	60157681690
250	1,2	32	5	0,9	1	ASD126R75B99	60157681691
300	1,5	32	5	1,2	1	ASD126R75B99	60157681692

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	E (mm)	PK QTY	BETTER	
100	0,9	20	5	0,7	1	CB151TB99	60157681767
125	1	20	5	0,7	1	CB151TB99	60157682094
150	1	20	5	0,8	1	CB151TB99	60157682103
200	1,2	25,4	5	0,9	1	CB151TB99	60157681768
250	1,2	32	5	0,9	1	CB151TB99	60157681769
300	1,5	32	5	1,2	1	CB151TB99	60157681770

1V1



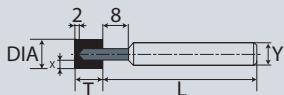
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	V	PK QTY	BEST	
100	10	20	5	10°	1	ASD64R100B99	60157681694
	15	20	5	10°	1	ASD64R100B99	60157681695
	15	20	5	20°	1	ASD64R100B99	60157681696
	15	20	5	30°	1	ASD64R100B99	60157681697
	15	20	5	45°	1	ASD64R100B99	60157681698
125	6	20	5	20°	1	ASD64R100B99	60157681700
	10	20	5	10°	1	ASD64R100B99	60157681701
	10	20	5	20°	1	ASD64R100B99	60157681702
	10	20	5	30°	1	ASD64R100B99	60157681703
	15	20	5	20°	1	ASD64R100B99	60157681704
	15	20	5	45°	1	ASD64R100B99	60157681705
150	12	20	5	15°	1	ASD64R100B99	60157681706

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	V	PK QTY	BEST	
100	10	20	5	10°	1	CB107WB99	60157681771
	15	20	5	10°	1	CB107WB99	60157681772
	15	20	5	20°	1	CB107WB99	60157681773
	15	20	5	30°	1	CB107WB99	60157681774
	15	20	5	45°	1	CB107WB99	60157681775
125	12	20	5	10°	1	CB107WB99	60157681776
	12	20	5	45°	1	CB107WB99	60157681777
150	12	20	5	15°	1	CB107WB99	60157681778

1A8W

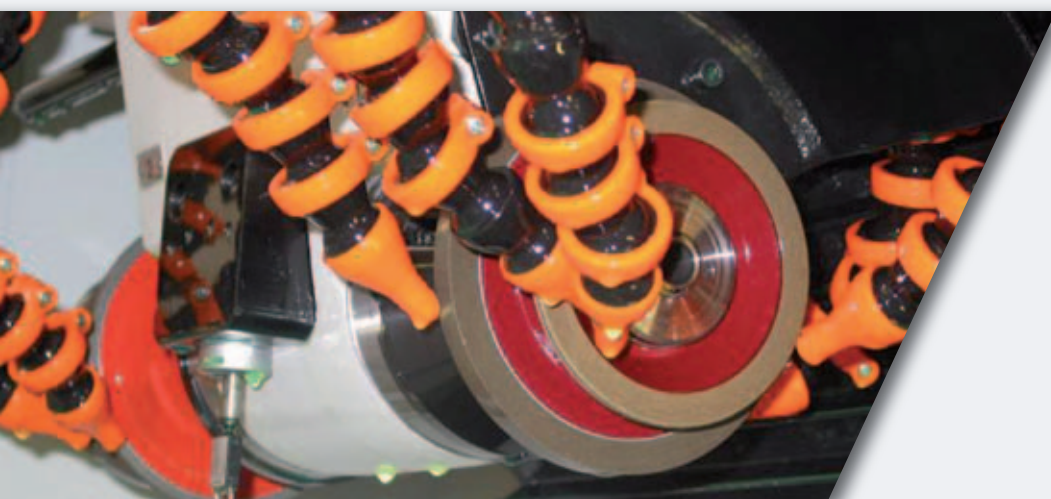


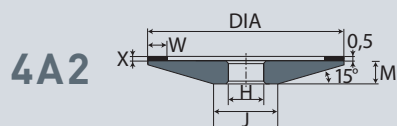
DIAMOND

DIA (mm)	T (mm)	X (mm)	Y (mm)	L (mm)	PK QTY	BEST		BETTER	
3	6	0,65	3	40	1			ASD126R75B99	60157681708
4	6	1,15	3	40	1			ASD126R75B99	60157681709
5	6	1,5	3	40	1			ASD126R75B99	60157681710
6	3	1,5	6	40	1	ASD76R125B99	60157681711		
	6	1,5	6	40	1			ASD126R75B99	60157681713
	6	1,5	6	70	1	ASD64R125B99	60157681714		
8	10	2	6	70	1			ASD126R75B99	60157681717
	6	2	6	70	1	ASD64R125B99	60157681718		
10	10	2	6	70	1			ASD126R75B99	60157681720
	6	2	6	70	1	ASD64R125B99	60157681721		
12	10	3	6	70	1			ASD126R75B99	60157681722
	6	3	6	70	1	ASD64R125B99	60157681723		

CBN

DIA (mm)	T (mm)	X (mm)	Y (mm)	L (mm)	PK QTY	BEST		BETTER	
3	6	0,65	3	40	1			CB126TB99	60157681779
4	6	1,15	3	40	1			CB126TB99	60157681780
5	6	1,5	3	40	1			CB126TB99	60157681781
6	6	1,5	6	40	1			CB126TB99	60157681782
	6	1,5	6	70	1	CB126WB99	60157681783		
8	10	2	6	70	1			CB126TB99	60157681784
	6	2	6	70	1	CB126WB99	60157681785		
10	10	2	6	70	1			CB126TB99	69014151061
	6	2	6	70	1	CB126WB99	60157681786		
12	10	3	6	70	1			CB126TB99	60157681787
	6	3	6	70	1	CB126WB99	60157681788		





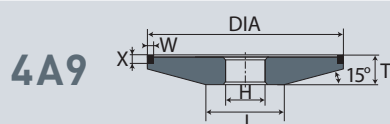
DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BETTER	
100	7	20	5	2	51	1	ASD64R75B99	69014151677
	7	25*	5	2	51	1	ASD91R75B99	69014152017
125	8	20	5	2	69	1	ASD126R75B99	60157681726
	8	20	5	2	69	1	ASD64R75B99	69014151949
	8	32	5	2	69	1	ASD91R75B99	69014151954
	8	20	10	2	69	1	ASD107R75B99	60157682109
150	9	20	5	2	87	1	ASD126R75B99	60157636295
	9	20	5	2	87	1	ASD64R75B99	69014151955
	9	32	5	2	87	1	ASD91R75B99	69014151957
	9	32	5	2	87	1	ASD54R50B99	69014155611
175	10	20	5	4	104	1	ASD64R50B99	60157681727
	10	32	5	4	104	1	ASD126R75B99	69014151709

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BETTER	
100	7	20	5	2	51	1	CB126TB99	69014151685
125	8	32	5	2	69	1	CB151TB99	69014151695
150	9	20	5	2	87	1	CB126TB99	60157636297
	9	20	5	4	87	1	CB107TB99	60157682111
175	10	20	5	4	104	1	CB126TB99	60157636298
200	11	20	6	4	121	1	CB107TB99	60157682113

*4A2K (with Keyway)

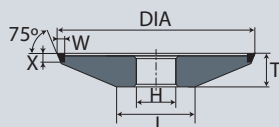


DIAMOND

DIA (mm)	T (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BETTER	
75	14	20*	4	4	35	1	ASD126R75B99	60157682214
80	10	32	4,7	4	38	1	ASD107R75B99	60157681731
100	10	32	4,7	4	55	1	ASD107R75B99	69014151711
	14	20*	4	4	35	1	ASD126R75B99	69014151981

*4A9K (with Keyway)

4ET9

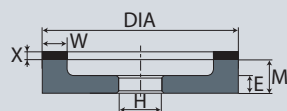


DIAMOND

DIA (mm)	T (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BEST		BETTER	
100	8	25*	3	1,8	54	1			ASD54R75B99	69014151958
	8	25*	3	3,3	54	1			ASD76R50B99	60157681732
125	11,5	32	2,5	1,2	63	1	ASD54 R75 B84	69014151979		
	12	32	3	1,8	63	1	ASD91R100B99	66260165128		
	12	32	3	1,8	63	1	ASD54 R75 B84	69014151369		
	14	32	3	3,8	63	1	ASD54 R75 B84	69014151980		

*4ET9K (with keyway)

6A2



DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	E (mm)	PK QTY	BEST		BETTER	
100	20	20	6	4	10	1			ASD151R75B99	60157681733
	20	25	6	4	10	1	ASD91R100B99	60157682114		
	20	20	8	2	10	1	ASD107R100B99	60157681734		
	20	25	8	2	10	1			ASD107R75B99	69014151608
	20	15	12	2	10	1			ASD107R50B99	60157636304
	20	20	12	2	10	1			ASD107R50B99	60157636282
	20	20	12	2	10	1			ASD54R50B99	69014151610
125	20	20	5	2	10	1			ASD64R50B99	60157682115
	40	20	6	5	10	1			ASD64R75B99	60157682117
	20	20	10	2	10	1			ASD107R50B99	69014151615
	20	70	10	2	10	1			ASD107R50B99	69014152087
150	50	20	6	4	10	1			ASD126R75B99	69014151618
	50	50	6	4	10	1	ASD126R100B99	60157681735		
	20	20	10	2	10	1			ASD91R50B99	69014151624
	20	32	15	2	10	1			ASD107R50B99	69014151629
	20	20	20	2	10	1			ASD126R75B99	69014151631
200	50	105	15	6	13	1	ASD151R100B99	60157682118		

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	E (mm)	PK QTY	BEST		BETTER	
125	40	20	6	4	10	1			CB151TB99	60157681789
150	50	20	6	4	10	1			CB151TB99	60157681791
	50	32	6	4	10	1			CB126TB99	69014151623
200	50	105	15	6	13	1	CB107WB99	60157682119		

6A9



DIAMOND

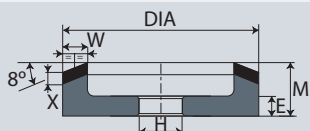
DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	PK QTY	BEST		
100	20	25*	3	6	80	7	1	ASD54R100B99		69014153087
	20	20	3	10	80	7	1	ASD64R100B99		60157682122
125	18	20	3	6	112	11	1	ASD54R100B99		69014151637
	18	32	3	6	112	11	1	ASD54R100B99		69014151638
	30	20	3	10	105	10	1	ASD126R100B99		60157681803

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	PK QTY	BEST		
100	20	20	3	10	80	7	1	CB151WB99		60157682123

*6A9K (with keyway)

6VV5

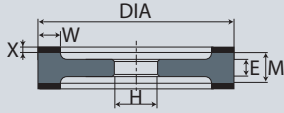


DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	E (mm)	PK QTY	BEST		BETTER	
100	20	25*	5	8	10	1			ASD126R100/46R75B84	69014151090
125	18	25*	5	6	10	1			ASD126R100/46R75B99	60157682125
	18	32	5	6	10	1			ASD126R100/46R75B99	60157682126
	18	32	5	6	10	1	ASD126R125/46R100B99	60157681736		
150	18	32	5	6	10	1			ASD91R100/20BR75B99	60157681737
	22	32	5	10	10	1			ASD126R100/46R75B99	60157681738
	22	32	5	10	10	1	ASD126R125/46R100B99	60157681739		
	22	32	5	10	10	1			ASD91R100/20BR75B99	60157681740

*6VV5K (with keyway)

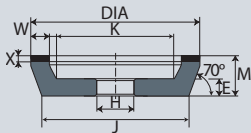
9A3



DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	E (mm)	PK QTY	BETTER	
175	30	20	5	2	14	1	ASD126R50B99	69014151640
	30	20	5	2	14	1	ASD64R50B99	69014151639

11A2-70°



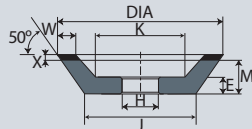
DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST	BETTER
100	20	20	5	4	75	10	88	1		ASD151R75B99 60157682163
	20	25	5	4	75	10	88	1	ASD126R100B99 60157682164	

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST	BETTER
100	20	20	5	4	75	10	88	1		CB126TB99 60157682165
150	23	32	6	4	122	10	135	1		CB151TB99 60157682166

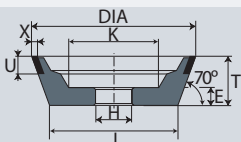
11V2



DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BETTER	
100	25	20	5	3	60	12	58	1	ASD126R75B99	60157636285
	25	20	5	3	60	12	58	1	ASD91R75B99	60157636284

11V9



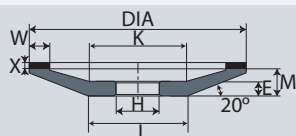
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST		BETTER	
75	30	16	1,5	10	40	10	53	1			ASD54R75B99	69014152028
	30	20	2	10	40	10	53	1			ASD126R75B99	69014151377
	30	20	2	10	40	10	53	1			ASD107R75B99	60157682168
	30	20	2	10	40	10	53	1	ASD64R100B99	60157681746		
100	35	20	1,5	10	55	10	75	1			ASD76R75B99	69014151656
	35	20	2	10	55	10	75	1			ASD126R75B99	69014151386
	35	20	2	10	55	10	75	1			ASD76R75B99	69014151383
	35	20	2	10	55	10	75	1	ASD64R100B99	60157681747		
	35	20	3	10	55	10	75	1			ASD126R75B99	60157681748
	35	20	3	10	55	10	75	1	ASD64R100B99	60157681749		
	35	32	3	10	55	10	75	1			ASD126R75B99	69014151667
125	40	20	3	10	75	10	96	1			ASD126R75B99	69014151672
	40	20	3	10	75	10	96	1	ASD64R100B99	60157681750		
	40	32	3	10	75	10	96	1			ASD126R75B99	69014151674

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST		BETTER	
75	30	20	1,5	10	40	10	53	1	BN181 Aztec IV	69014152323		
	30	20	2	10	40	10	53	1			CB126TB99	69014151379
	30	20	2	10	40	10	53	1			CB91TB99	60157681792
100	35	20	1,5	10	55	10	75	1	BN181 Aztec IV	69014152118		
	35	20	1,5	10	55	10	75	1	BN126 Aztec IV	69014152115		
	35	32	1,5	10	55	10	75	1	BN181 Aztec IV	69014152120		
	35	20	2	10	55	10	75	1			CB126TB99	69014151944
	35	20	2	10	55	10	75	1			CB91TB99	60157681793
	35	32	2	10	55	10	75	1			CB126TB99	69014151946
	35	20	3	10	55	10	75	1	CB107WB99	60157681794		
125	40	20	1,5	10	75	10	96	1	BN126 Aztec IV	69014152326		
	40	20	3	10	75	10	96	1			CB107TB99	60157681795

12A2-20°



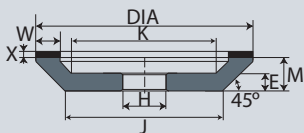
DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST		BETTER	
125	14	20	5	2	54	8	54	1			ASD126R75B99	69014151721
	14	20	5	2	54	8	54	1			ASD64R75B99	60157687009
	14	20	6	2	54	8	54	1			ASD126R50B99	60157682169
	14	20	6	2	54	8	54	1			ASD91R50B99	60157682170
	14	20	6	4	54	8	54	1	ASD126R100B99	60157682171		
	14	32	6	4	54	8	54	1			ASD91R75B99	60157682172
150	16	20	5	2	68	9	68	1			ASD126R75B99	69014151961
	16	20	5	2	68	9	68	1			ASD64R50B99	69014151397
	16	32	5	2	68	9	68	1			ASD126R75B99	69014151963
	16	32	5	3	68	9	68	1	ASD91R100B99	60157682176		
	16	32	5	3	68	9	68	1	ASD64R100B99	60157682177		
	16	32	6	4	68	9	68	1			ASD126R75B99	60157682178
	16	32	6	4	68	9	68	1			ASD91R75B99	60157682179
175	18	20	5	2	82	10	82	1			ASD126R75B99	69014151422
	18	20	5	2	82	10	82	1			ASD64R50B99	69014151415
	18	32	5	2	82	10	82	1			ASD126R75B99	69014151424

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST		BETTER	
125	14	32	6	4	54	8	54	1			CB107TB99	60157682173
	14	20	10	4	54	8	54	1	CB126WB99	60157682174		
150	16	32	5	3	68	9	68	1	CB126WB99	60157682181		
	16	20	5	4	68	9	68	1			CB126QB99	69014151412
	16	32	6	4	68	9	68	1			CB126TB99	60157682182
	16	32	10	4	68	9	68	1	CB151WB99	60157682183		
175	18	20	5	4	82	10	82	1			CB126TB99	69014151427

12A2-45°



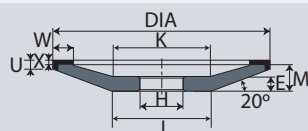
DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BETTER	
100	23	20	5	2	54	10	62	1	ASD107R50B99	601576 36265
	23	20	6	3	54	10	62	1	ASD126R75B99	690141 51437
	23	20	6	3	54	10	62	1	ASD76R75B99	690141 51434
125	23	32	6	3	79	10	81	1	ASD126R75B99	601576 36267

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BETTER	
100	23	20	5	2	54	10	62	1	CB126QB99	690141 51432
125	23	20	6	2	79	10	81	1	CB126TB99	690141 51441

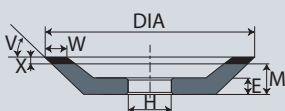
12C9-20°



CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	U (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST	
150	16	20	5	2	3	68	9	68	1	BN126 Aztec IV	690141 54415
	16	32	5	2	3	68	9	68	1	BN126 Aztec IV	690141 54417
175	18	20	5	4	5	82	10	82	1	BN126 Aztec IV	690141 54420

12V2

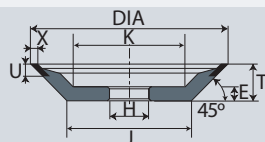


DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	V	E (mm)	PK QTY	BEST		BETTER	
125	11	20	4	2	30°	9	1	ASD76R125B99	601576 82187		
	11	32	4	2	30°	9	1	ASD76R125B99	601576 82188		
	11	32	4	2	30°	9	1	ASD46R125B99	601576 82189		
150	13	25*	4	2	20°	11	1	ASD76R125B99	601576 81805		
	13	32	4	2	15°	11	1	ASD76R125B99	601576 81807		
	13	32	4	2	15°	11	1			ASD64R75B99	601576 82185
	13	32	4	2	15°	11	1	ASD46R125B99	601576 81808		

*12V2K (with keyway)

12V9



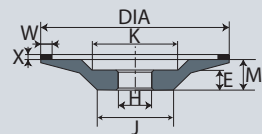
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST		BETTER	
75	20	20	2	6	35	10	35	1			ASD126R75B99	69014151966
	20	20	3	6	35	10	35	1			ASD76R75B99	69014151462
	20	20	2	10	35	10	35	1			ASD64R75B99	60157681752
100	20	20	2	6	60	10	60	1			ASD126R75B99	69014151464
	20	20	2	6	60	10	60	1			ASD64R75B99	60157681753
	20	20	2	10	60	10	60	1	ASD64R100B99	60157681754		
	20	20	3	10	60	10	60	1	ASD64R100B99	60157681755		
	20	20	3	10	60	10	60	1			ASD46R75B99	60157681756
	20	20	3	10	60	10	60	1	ASD46R100B99	60157681757		
125	25	20	2	6	75	10	75	1			ASD126R75B99	60157681758
	25	20	2	6	75	10	75	1			ASD64R75B99	60157681759
	25	20	3	10	75	10	75	1	ASD64R100B99	60157681760		

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BEST		BETTER	
75	20	20	2	6	35	10	35	1			CB107TB99	60157681797
100	20	20	2	6	60	10	60	1			CB126TB99	69014151973
	20	20	3	10	60	10	60	1			CB126TB99	60157681798
	20	20	3	10	60	10	60	1	CB107WB99	60157681799		
125	25	20	2	6	75	10	75	1			CB126TB99	69014151975
	25	20	2	6	75	10	75	1			CB107TB99	60157681800
	25	20	3	10	75	10	75	1	CB107WB99	60157681801		

13A2



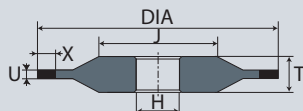
DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BETTER		
125	18	32	5	1,5	50	9	70	1	ASD107R75B99		60157682191
	18	20	5	4	50	9	70	1	ASD126R75B99		69014151473
	18	20	5	4	50	9	70	1	ASD64R75B99		60157687068
	18	20	5	4	50	9	70	1	ASD46R75B99		60157681810
150	20	32	5	1,5	60	9	82	1	ASD107R75B99		60157682192
	20	20	5	4	60	9	82	1	ASD151R75B99		60157681815
	20	20	5	4	60	9	82	1	ASD64R75B99		60157681820
175	22	20	5	4	70	10	100	1	ASD126R75B99		60157681827

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	K (mm)	E (mm)	J (mm)	PK QTY	BETTER	
125	18	20	5	4	50	9	70	1	CB151TB99	60157681812
	18	20	5	4	50	9	70	1	CB107QB99	60157681814
150	20	20	5	4	60	9	82	1	CB151TB99	60157681825
	20	20	5	4	60	9	82	1	CB126QB99	69014151479
	20	20	5	4	60	9	82	1	CB107QB99	60157681826

14A1



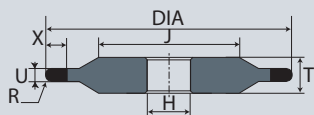
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	J (mm)	PK QTY	BEST	
200	10	32	7	3	160	1	ASD126R100B99	60157682194
	10	60	5	4	160	1	ASD151R100B99	60157682195
	10	32	6	4	160	1	ASD46R100B99	60157681830
	10	60	6	4	160	1	ASD46R100B99	60157681831
	10	32	7	5	160	1	ASD126R100B99	60157682196
	10	60	7	5	160	1	ASD126R100B99	60157682197

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	J (mm)	PK QTY	BEST	
200	10	60	5	2	160	1	CB181WB99	60157682198
	10	32	6	4	160	1	CB151WB99	60157681832
	10	32	6	4	160	1	CB91WB99	60157681833
	10	32	6	4	160	1	CB64WB99	60157681835
	10	60	6	4	160	1	CB151WB99	60157681836
	10	60	6	4	160	1	CB126WB99	60157681837
	10	60	6	4	160	1	CB64WB99	60157681838

14F1



DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	R (mm)	J (mm)	PK QTY	BEST		BETTER	
100	6	20	6	4	2	70	1	ASD64R100B99	60157681846		
125	10	20	10	8	4	100	1			ASD65R75B99	60157681848
150	10	20	5	2	1	120	1	ASD64R100B99	60157681850		
	10	20	5	4	2	120	1	ASD64R100B99	60157681851		
200	10	50	5	2	1	160	1	ASD151R100B99	60157682201		
	10	32	6	2	1	160	1	ASD126R100B99	60157681853		
	10	60	7	2	1	160	1	ASD64R100B99	60157681855		
	10	60	7	2	1	160	1	ASD126R100B99	60157682202		
	10	20	5	2,4	1,2	160	1	ASD64R100B99	60157682204		
	10	60	6	3	1,5	160	1	ASD126R100B99	60157681856		
	10	32	7	3	1,5	160	1	ASD126R100B99	60157683136		
	10	20	5	4	2	160	1	ASD64R100B99	60157682205		
	10	20	6	4	2	160	1	ASD151R100B99	60157681857		
	10	32	6	4	2	160	1	ASD151R100B99	60157681858		
	10	60	6	4	2	160	1	ASD151R100B99	60157681859		
	10	60	7	4	2	160	1	ASD126R100B99	60157682208		
	10	60	5	5	2,5	160	1	ASD126R100B99	60157682209		
	10	32	6	5	2,5	160	1	ASD151R100B99	60157681862		

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	R (mm)	J (mm)	PK QTY	BEST			
100	6	20	5	4	2	70	1	CB107WB99		60157681847	
125	10	20	5	4	2	100	1	CB107WB99		60157681849	
150	10	20	5	4	2	120	1	CB107WB99		60157681852	
200	10	20	5	2,4	1,2	160	1	CB91WB99		60157682210	
	10	32	7	3	1,5	160	1	CB126WB99		60157682211	
	10	60	5	4	2	160	1	CB151WB99		60157682212	
	10	32	6	4	2	160	1	CB151WB99		60157681863	

Electroplated pins with high quality
Diamond and CBN grits

APPLICATIONS & MARKETS

Internal grinding of:

- Carbides
- Short chipping materials
- HSS/high-alloy hardened steel



DIAMOND PINS DPS

FEATURES

- Electroplated pins with high quality diamond in 2 grit sizes

BENEFITS

- High material removal
- For use dry or wet
- Ideal for carbides & short chipping material



CBN PINS XBS

FEATURES

- Electroplated pins with high quality CBN in 2 grit sizes

BENEFITS

- High material removal rate
- For use dry or with straight oil
- Ideal for HSS & high-alloy hardened steels



BEST

E1A8W

DIAMOND

DIA (mm)	T (mm)	Y (mm)	L (mm)	L ₂ (mm)	PK QTY	BEST	
1,5	5	3	40	7	4	DPS 76M	69014151200
	5	3	40	7	4	DPS 181M	69014151199
2	5	3	40	12	4	DPS 76M	69014151168
	5	3	40	12	4	DPS 181M	60157637973
2,5	5	3	40	12	4	DPS 76M	69014151201
3	5	3	50	15	4	DPS 76M	69014151170
	5	3	50	15	4	DPS 181M	69014151169
3,5	5	3	50		4	DPS 76M	69014151205
4	5	3	50		4	DPS 76M	69014151173
	5	3	50		4	DPS 181M	69014151172
5	5	3	50		4	DPS 76M	69014151207
	5	3	50		4	DPS 181M	69014151206
6	6	6	64	14	3	DPS 76M	69014151178
	6	6	64	14	3	DPS 181M	69014151177
8	8	6	62		2	DPS 76M	69014151192
	8	6	62		2	DPS 181M	69014151191
10	10	6	80		2	DPS 76M	69014151195
	10	6	80		2	DPS 181M	69014151194
12	10	6	80		2	DPS 76M	60157636808

CBN

DIA (mm)	T (mm)	Y (mm)	L (mm)	L ₂ (mm)	PK QTY	BEST	
0,7	3	3	32	4	4	XBS 76M	69014151184
1	4	3	31	5	4	XBS 76M	69014151183
	4	3	31	5	4	XBS 181M	69014151188
1,2	4	3	31	8	4	XBS 181M	69014151190
1,5	5	3	40	7	4	XBS 76M	69014151203
	5	3	40	7	4	XBS 181M	69014151176
2	5	3	40	12	4	XBS 76M	69014151202
	5	3	40	12	4	XBS 181M	69014151180
2,5	5	3	40	12	4	XBS 76M	69014151197
	5	3	40	12	4	XBS 181M	69014151198
3	5	3	50	15	4	XBS 76M	69014151171
	5	3	50	15	4	XBS 181M	60157636804
3,5	5	3	50		4	XBS 76M	69014151185
	5	3	50		4	XBS 181M	69014151186
4	5	3	50		4	XBS 76M	69014151175
	5	3	50		4	XBS 181M	69014151174
5	5	3	50		4	XBS 76M	69014151179
	5	3	50		4	XBS 181M	60157636809

CBN

DIA (mm)	T (mm)	Y (mm)	L (mm)	L ₂ (mm)	PK QTY	BEST	
6	6	6	64	14	3	XBS 76M	601576 36806
	6	6	64	14	3	XBS 181M	690141 51187
7	6	6	64		3	XBS 76M	690141 51189
	6	6	64		3	XBS 181M	601576 36805
8	8	6	62		2	XBS 76M	690141 51193
	8	6	62		2	XBS 181M	601576 36807
9	8	6	62		2	XBS 181M	690141 51181
10	10	6	80		2	XBS 181M	690141 51196
12	10	6	80		2	XBS 76M	690141 51182
	10	6	80		2	XBS 181M	601576 37837



NORTON

SAINT-GOBAIN

- 416 INTRODUCTION
- 418 ANGLE GRINDERS
- 428 PETROL HAND HELD & FLOOR SAWS
- 434 MASONRY SAWS
- 440 TILE SAWS
- 442 CORE BITS

Diamond Blades

Norton Diamond Blades are the ultimate abrasive cutting solution in construction and building industries. With a range of products suitable for use on concrete, tile, brick, and asphalt, Norton offers the best choice for every cutting and drilling application in the building/construction industry.

Norton, the industry's most comprehensive Diamond Blade product line.

UNDERSTANDING THE PRODUCT





DIFFERENTIATION IN THE RANGE

Norton offers the industry's widest selection of Diamond Blades to meet every customer requirement. The range is classified into 3 quality-tiers (Best/Better/Good) to help you choose the right product for your specific application.

<p>INNOVATION BEST</p>	<p>The Norton 4x4 Explorer, a multi-purpose blade designed to cut all materials. The new Norton SILENCIO is the most silent blade on the market and displays the best cutting performance in our product range.</p>	<p>BETTER</p>	<p>High performance & high value professional products, ideal for regular use</p>
<p>BEST</p>	<p>This product line offers a range of high performance tools that meet the needs of the most demanding user</p>	<p>GOOD</p>	<p>This product line provides a range of standard blades offering good levels of performance</p>

Choosing the right diamond tool for the job is not always straight forward. For this reason Norton diamond blades are colour coded to ensure you pick the most appropriate tool for the job.

<p>MULTI-PURPOSE</p>		
<p>CONCRETE & REINFORCED CONCRETE</p>		
<p>ASPHALT & ABRASIVE MATERIALS</p>		
<p>GENERAL PURPOSE BUILDING MATERIALS</p>		
<p>CERAMIC & STONE TILES</p>		

For further information please go to the Technical Information Section at the back of this catalogue.

Norton Diamond Blades offer the user a cost-effective range of safe, easy to use products designed for use on all common types of building materials.

APPLICATIONS & MARKETS

- Construction
- Renovation
- Maintenance
- Tiling
- Plumbing
- Engineering



APPLICATIONS KEY	MULTI-PURPOSE	
	CONCRETE & REINFORCED CONCRETE	
	GENERAL PURPOSE BUILDING MATERIALS	
	CERAMIC & STONE TILES	

INNOVATION BEST

4X4 EXPLORER

For use on granite, engineering bricks, hard paviors, reinforced concrete, concrete kerbs & slabs, medium block paviors, facing brick, concrete roof tiles, sandstone, asphalt over concrete & asphalt

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Designed to cut the widest range of materials 	<ul style="list-style-type: none"> ■ Less need for blade changing so reduced down time & increased productivity
<ul style="list-style-type: none"> ■ Features the innovative patent-pending "depth of cut indicator" 	<ul style="list-style-type: none"> ■ Helps optimise cutting speed & blade life in step-cutting
<ul style="list-style-type: none"> ■ Special patent-pending ellipsoid gullets & specially treated steel centre 	<ul style="list-style-type: none"> ■ Increase fatigue resistance ■ Directional arrows show the way of rotation for easy mounting
<ul style="list-style-type: none"> ■ Not recommended for steel parts thicker than 5mm 	



MULTI-PURPOSE



4x4 EXPLORER

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
115	10,0x2,2x22,23	1		701846 25307
125	10,0x2,2x22,23	1		701846 25308
230	10,0x2,5x22,23	1		701846 24846

INNOVATION

BEST

SILENCIO



For use on engineering bricks, cured concrete, reinforced concrete, hard paviers, concrete paving slabs, concrete kerbs, concrete pipes, limestone, medium block paviers, & facing bricks

FEATURES

- Sandwich steel-centre with newly developed absorbing material
- Patent-pending offset gullets prevent air from flowing through the steel-centre gullets
- Up to 17mm high segments, with a bespoke specification for each different application

BENEFITS





- The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB – 30 times less noise !!
- The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area
- The Norton Silencio is among the best cutting Clipper diamond blades. Select the blade specifically designed for your machine type to get the best cutting performance



Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

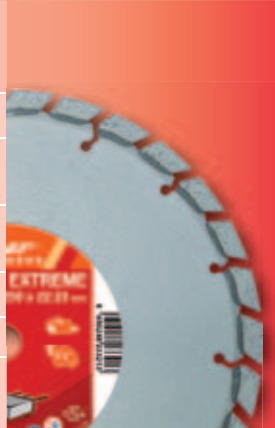
BEST

DUO EXTREME

For use on engineering bricks, cured concrete, reinforced concrete, hard paviers, concrete paving slabs, concrete kerbs, concrete pipes, limestone, medium block paviers, & facing bricks

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Laser-welded, segmented diamond blade 	<ul style="list-style-type: none"> ■ Extreme long life
<ul style="list-style-type: none"> ■ 12mm segment height on 230mm diameter blades 	<ul style="list-style-type: none"> ■ Exceptional cutting speed
<ul style="list-style-type: none"> ■ Double segments 	<ul style="list-style-type: none"> ■ Low vibrations
<ul style="list-style-type: none"> ■ Very soft cut 	<ul style="list-style-type: none"> ■ Easy to mount
<ul style="list-style-type: none"> ■ Special gullets indicate the way of rotation 	





CONCRETE & REINFORCED CONCRETE



			<i>SILENCIO</i>	<i>DUO EXTREME</i>
DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
			BEST	
230	15,0x2,8x22,23	1		701846 24576
	17,0x2,8x22,23	1	701846 30308	

AERO JET



Suitable for use on very hard masonry materials, block paviers, granite & marble

FEATURES

- Sintered, continuous rim diamond blade with corrugated steel centre
- Special blade geometry
- Protection segments
- Ventilated steel centre
- Heavy duty diamond blade

BENEFITS

- Gives more rigidity
- Protect the steel centre & provide outstanding rigidity
- Provides efficient cooling during cutting
- Has extreme long life & an excellent cutting speed



BEST

CG2



Suitable for surface grinding on all types of masonry materials

FEATURES

- Double rim, brazed, segmented cup grinder

BENEFITS

- Recommended for removal of shuttering marks



EURO-JET



Suitable for use with engineering bricks, clay pipes/paviers, marble, clay roof tiles, concrete pipes/kerbs, slate, hard paviers, facing bricks, concrete roof tiles, medium block paviers, breeze blocks & concrete paving slabs

FEATURES

- Sintered, corrugated continuous rim diamond blade
- 10mm segment height
- High-quality diamond blade

BENEFITS

- Longer life
- Long life, excellent cutting speed & all round excellent performance



BETTER

TP



Suitable for removing mortar prior to the rejoining of brick walls

FEATURES

- Brazed, segmented diamond blade especially designed for the removal of mortar prior to rejoining
- Tungsten carbide tips

BENEFITS

- Premium performance
- Gives undercutting protection



BETTER

EURO-ZML



For use on cured concrete, reinforced concrete, hard paviers, facing bricks, concrete paving slabs, concrete kerbs, concrete pipes, limestone, medium block paviers, concrete roof tiles & breeze blocks

FEATURES

- Laser-welded, segmented diamond blade
- 10mm segment height
- Diamond-shape apertures on 230mm diamond blades

BENEFITS

- Longer life
- Prevent over-heating of the diamond blade



CLASSIC JET



For use on engineering bricks, clay pipes/paviers, clay roof tiles, concrete pipes/kerbs, facing bricks, concrete roof tiles, medium block paviers, breeze blocks & concrete paving slabs

FEATURES

- Sintered, continuous rim diamond blade with corrugated segments
- Economy diamond blade

BENEFITS

- Value for money



CLASSIC LASER



Cured concrete, concrete pipes, concrete kerbs, hard paviers, reinforced concrete, roof tiles, medium block paviers, concrete paving slabs

FEATURES

- Laser-welded, segmented diamond blade
- Economy diamond blade

BENEFITS

- Value for money



CLASSIC UNI



For use on concrete pipes, concrete kerbs, roof tiles, medium block paviers & concrete paving slabs

FEATURES

- Sintered, segmented diamond blade
- Economy diamond blade

BENEFITS

- Value for money
- Recommended for soft to medium hard materials
Not recommended for very hard materials



GOOD

CG SLANT



Suitable for surface grinding of all types of masonry materials

FEATURES

- Single rim, brazed, segmented cup grinder
- Slant segments
- Hollow steel centre

BENEFITS

- Value for money
- Makes the product very light weight



GENERAL PURPOSE BUILDING MATERIALS







			AERO JET	CG2	EURO-JET	TP	EURO-ZML	CLASSIC JET	CLASSIC LASER	CLASSIC UNI	CG SLANT	
DIA (mm)	HxTxB (mm)	PK QTY	BEST		BETTER			GOOD				
100	22,23/16	1		70184610268								
105	22,23	1									70184624781	
115	12,0x2,2x22,23	1	70184623598									
	10,0x1,8x22,23	1								70184626806		
	10,0x2,1x22,23	1						70184626814				
	10,0x2,2x22,23	1			70184610314		70184624738					
	7,0x2,2x22,23	1							70184626834			
	6,5x4,5x22,23	1				70184610712						
	6,5x6,5x22,23	1				70184610305						
125	12,0x2,2x22,23	1	70184623599									
	10,0x1,8x22,23	1								70184626807		
	10,0x2,1x22,23	1			70184610315			70184626815				
	10,0x2,2x22,23	1					70184624739					
	7,0x2,2x22,23	1							70184626835			
	6,5x4,5x22,23	1				70184610713						
	6,5x6,5x22,23	1				70184610307						
	6,5x8,0x22,23	1				70184610716						
	22,23[flat]	1		70184611096								
	22,23	1		70184610363							70184623049	
150	22,23/19	1								70184624760		
180	10,0x2,2x22,23	1								70184626809		
	7,0x2,5x22,23	1							70184626837			
	22,23	1		70184610270							70184624782	
230	12,0x2,8x22,23	1	70184623180									
	10,0x2,2x22,23	1								70184626810		
	10,0x2,5x22,23	1					70184611396	70184626818	70184626838			
	10,0x2,6x22,23	1			70184610267							

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore


BEST

SUPER GRES XT





For use on granite slabs, ceramic tiles, quarry tiles, porcelain & terazzo

FEATURES	BENEFITS
<ul style="list-style-type: none"> For professional cutting of tiles 	<ul style="list-style-type: none"> Best quality of cut & cutting speed even on the hardest tiles
<ul style="list-style-type: none"> Extra-thin diamond blade 	<ul style="list-style-type: none"> Prevents the steel-centre wobbling during the cut
<ul style="list-style-type: none"> Additional metal flanges on each side of the blade 	<ul style="list-style-type: none"> For longer product life
<ul style="list-style-type: none"> 10mm high continuous rim 	




BETTER

MD110CD





For use on all ceramic tiles, marble & slate

FEATURES	BENEFITS
<ul style="list-style-type: none"> Sintered, continuous rim diamond blade 	<ul style="list-style-type: none"> Long product life combined with an excellent cutting speed
<ul style="list-style-type: none"> High-quality diamond blade with excellent performance 	




GOOD

CLASSIC CERAM

Suitable for use on ceramic tiles

FEATURES	BENEFITS
<ul style="list-style-type: none"> Sintered, continuous rim diamond blade 	<ul style="list-style-type: none"> Value for money
<ul style="list-style-type: none"> Economy diamond blade 	





 **CERAMIC & STONE TILES** 

			<i>SUPER GRES XT</i>	<i>MD110CD</i>	<i>CLASSIC CERAM</i>
DIA (mm)	HxTxB (mm)	PK QTY	BEST	BETTER	GOOD
115	10,0x1,2x22,23	1	701846 12658		
	9,0x1,6x22,23	1		701846 25942	
	7,0x1,5x22,23	1			701846 26825
125	10,0x1,2x22,23	1	701846 20209		
	9,0x1,6x22,23	1		701846 25940	
	7,0x1,6x22,23	1			701846 26826
230	10,0x1,8x22,23	1	701846 27653		

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

PRODUCT SELECTION

USAGE KEY

-  Highly recommended
-  Recommended



	INNOVATION												CUP GRINDERS		
	4X4 EXPLORER	SILENCIO	DUO EXTREME	AERO JET	EURO JET	TP	EURO ZML	CLASSIC JET	CLASSIC LASER	CLASSIC UNI	SUPER GRES XT	MD110 CD	CLASSIC CERAM	CG2	CG SLANT
	BEST	BEST	BEST	BEST	BETTER	BETTER	BETTER	GOOD	GOOD	GOOD	BEST	BETTER	GOOD	BEST	GOOD
	MULTI-PURPOSE	CONCRETE & REINFORCED CONCRETE	GENERAL PURPOSE BUILDING MATERIALS						CERAMIC & STONE TILES			GENERAL PURPOSE BUILDING MATERIALS			
Steel															
Granite															
Engineering bricks															
Cured concrete															
Clay/pipes/paviors															
Quarry tiles															
Marble															
Hard paviors															
Clay roof tiles															
Terrazo															
Facing bricks															
Reinforced concrete															
Concrete paving slabs															
Concrete pipes/kerbs															
Slate															
Limestone concrete															
Medium block paviors															
Concrete roof tiles															
Sandstone															
Asphalt over concrete															
Breeze blocks															
Tarmac top blocks															
Mortar jointing															
Asphalt															
Green concrete															

Norton offers a large range of high performance diamond tools for all applications and user needs.

APPLICATIONS & MARKETS

- Construction
- Civil Engineering
- Road Contractors



APPLICATIONS KEY	MULTI-PURPOSE	
	CONCRETE & REINFORCED CONCRETE	
	ASPHALT & ABRASIVE MATERIALS	
	GENERAL PURPOSE BUILDING MATERIALS	
	CERAMIC & STONE TILES	

INNOVATION BEST

4X4 EXPLORER

For use on granite, engineering bricks, hard paviors, reinforced concrete, concrete kerbs & slabs, medium block paviors, facing brick, concrete roof tiles, sandstone, asphalt over concrete & asphalt

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Designed to cut the widest range of materials ■ Features the innovative patent-pending "depth of cut indicator" 	<ul style="list-style-type: none"> ■ Less need for blade changing so reduced down time & increased productivity ■ Helps optimise cutting speed & blade life in step-cutting
<ul style="list-style-type: none"> ■ Special patent-pending ellipsoid gullets & specially treated steel centre 	<ul style="list-style-type: none"> ■ Increase fatigue resistance ■ Directional arrows show the way of rotation for easy mounting
<ul style="list-style-type: none"> ■ Not recommended for steel parts thicker than 5mm 	



MULTI-PURPOSE



4x4 EXPLORER

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
300	10,0x2,8x20	1		701846 22936
	10,0x2,8x25,4	1		701846 22937
350	10,0x3,0x20	1		701846 22938
	10,0x3,0x25,4	1		701846 22939
400	10,0x3,2x20	1		701846 23897
	10,0x3,2x25,4	1		701846 23899
450	10,0x3,4x25,4	1		701846 25430

SILENCIO



For use on cured concrete, reinforced concrete, concrete paving slabs, concrete pipes/kerbs, medium block paviers & concrete roof tiles

FEATURES

BENEFITS

- Patent-pending offset gullets* prevent air from flowing through the steel-centre gullets
- Sandwich steel-centre with newly developed absorbing material
- Up to 17mm high segments, with a bespoke specification for each different application

- The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area
- The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB – 30 times less noise !!
- The Norton Silencio is among the best cutting Clipper diamond blades. Select the blade specifically designed for your machine type to get the best cutting performance



INNOVATION

BEST



CONCRETE & REINFORCED CONCRETE



SILENCIO

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
300	15,0x3,1x20,0	1		701846 29000
350	15,0x3,1x25,4	1		701846 28999*
	15,0x3,1x25,4	1		701846 28997**
450	15,0x3,2x25,4	1		701846 31020
500	15,0x3,2x25,4	1		701846 30416

* Only for use with petrol saws; ** Only for use with floor saws

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

BETTER

SUPER ASPHALT EVO



For use on all abrasive materials including asphalt, tarmac top blocks, breeze blocks, sandstone, mortar jointing & green concrete

FEATURES

- Laser-welded diamond blade with 7mm segment height
- Features the innovative patent-pending "depth of cut indicator"
- High-quality diamond blade for professional requirements

BENEFITS

- The perfect device to optimise cutting speed & blade life in step-cutting. It also shows the way of rotation for an easier mounting of the diamond blade
- Slant segments protect against undercutting giving excellent performance



ASPHALT & ABRASIVE MATERIALS



SUPER ASPHALT EVO

DIA (mm)	HxTxB (mm)	PK QTY	BETTER
300	7,0x2,8x25,4	1	701846 23184
350	7,0x3,2x25,4	1	701846 23186

QUICKFIX REDUCTION RINGS



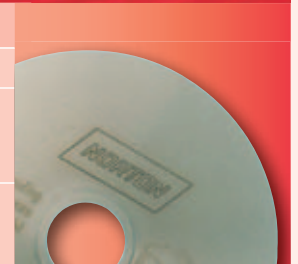
For use only with petrol saws

FEATURES

- A patented device designed to safely convert blade bores to suit different machines
- Converts 300mm & 350mm x 25,4mm or 22,23mm bore to 20mm

BENEFITS

- Can reduce inventory














































QUICKFIX REDUCTION RINGS



DIA (mm)	BORE (mm)	PK QTY	QUICKFIX
103	25,4/22,23	1	701846 22589
	25,4/22,23/20	1	701846 23894

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

PRODUCT SELECTION

USAGE KEY	INNOVATION		BETTER
	BEST		
	4X4 EXPLORER	SILENCIO	SUPER ASPHALT EVO
			
MULTI-PURPOSE	CONCRETE & REINFORCED CONCRETE	ASPHALT & ABRASIVE MATERIALS	
Steel			
Granite			
Engineering bricks			
Cured concrete			
Clay/pipes/paviors			
Marble			
Hard paviors			
Clay roof tiles			
Facing bricks			
Reinforced concrete			
Concrete paving slabs			
Concrete pipes/kerbs			
Limestone concrete			
Medium block paviors			
Concrete roof tiles			
Sandstone			
Asphalt over concrete			
Breeze blocks			
Tarmac top blocks			
Asphalt			
Green concrete			

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

Norton offers the best range of diamond tools for masonry saws ensuring great performance and clean results in wet cutting conditions.

APPLICATIONS & MARKETS

- Construction



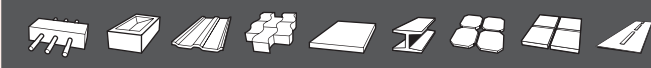
APPLICATIONS KEY	MULTI-PURPOSE	
	CONCRETE & REINFORCED CONCRETE	
	GENERAL PURPOSE BUILDING MATERIALS	
	CERAMIC & STONE TILES	

INNOVATION BEST

4X4 EXPLORER

For use on granite, engineering bricks, hard paviors, reinforced concrete, concrete kerbs & slabs, medium block paviors, facing brick, concrete roof tiles, sandstone, asphalt over concrete & asphalt

FEATURES	BENEFITS
<ul style="list-style-type: none"> ■ Designed to cut the widest range of materials 	<ul style="list-style-type: none"> ■ Less need for blade changing so reduced down time & increased productivity
<ul style="list-style-type: none"> ■ Features the innovative patent-pending "depth of cut indicator" 	<ul style="list-style-type: none"> ■ Helps optimise cutting speed & blade life in step-cutting
<ul style="list-style-type: none"> ■ Special patent-pending ellipsoid gullets & specially treated steel centre 	<ul style="list-style-type: none"> ■ Increase fatigue resistance ■ Directional arrows show the way of rotation for easy mounting
<ul style="list-style-type: none"> ■ Not recommended for steel parts thicker than 5mm 	



MULTI-PURPOSE



4x4 EXPLORER

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
300	10,0x2,8x25,4	1		70184622937
350	10,0x3,0x25,4	1		70184622939
400	10,0x3,2x25,4	1		70184623899
450	10,0x3,4x25,4	1		70184625430



Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

INNOVATION

BEST

SILENCIO



For use on engineering bricks, cured concrete, reinforced concrete, hard paviers, concrete paving slabs, concrete kerbs, concrete pipes, limestone, medium block paviers, facing bricks

FEATURES

- Patent-pending offset gullets* prevent air from flowing through the steel-centre gullets
- Sandwich steel-centre with newly developed absorbing material
- Up to 17mm high segments, with a bespoke specification for each different application

BENEFITS

- The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area
- The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB - 30 times less noise !!
- The Norton Silencio is among the best cutting Clipper diamond blades. Select the blade specifically designed for your machine type to get the best cutting performance



FMD DUO



For use on general purpose masonry materials, granite, concrete slabs, reinforced concrete, hard paviers, hard facing bricks, concrete roof tiles

FEATURES

- Laser-welded diamond blade
- 12mm segment height
- High quality diamond blade
- Trapezoidal segments

BENEFITS

- Long product life
- Extremely high cutting speed
- Provide the quality of cut of a continuous rim with the safety of a laser-welded blade



BS-U



For use on general purpose masonry materials, breeze blocks, concrete paving slabs & concrete pipes/kerbs

FEATURES

- Brazed, segmented diamond blade

BENEFITS

- Ideal for abrasive to medium hard material



GOOD

ALFA



For use on general purpose masonry materials

FEATURES

- Laser-welded diamond blade
- Good performance

BENEFITS

- Ideal for abrasive to medium hard material
- Good product life & high cutting speed



GENERAL PURPOSE BUILDING MATERIALS

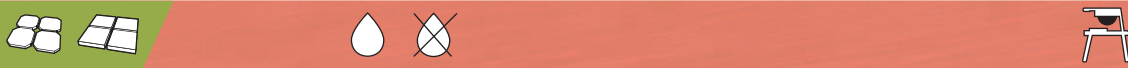


DIA (mm)	HxTxB (mm)	PK QTY	<i>SILENCIO</i>	<i>FMD DUO</i>	<i>BS-U</i>	<i>ALFA</i>
			INNOVATION BEST	BEST	BETTER	GOOD
300	15,0x3,1x25,4	1	701846 40269			
350	15,0x3,1x25,4	1	701846 28998			
	10,0x2,8x25,4	1				701846 11209
400	15,0x3,1x25,4	1	701846 40270			
	10,0x3,2x25,4	1		701846 11438		
500	15,0x3,2x25,4	1	701846 30309			
650	7,0x4,4x25,4	1			701846 20425	
900	7,0x4,4x60	1			701846 20428	

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

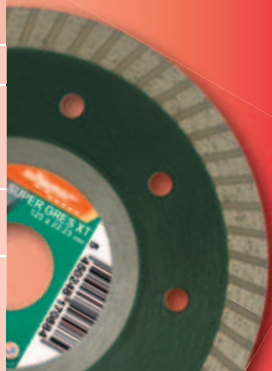
BEST

SUPER GRES XT



For use on the hardest building materials, granite slabs, ceramic tiles, quarry tiles, porcelain, terrazzo

FEATURES	BENEFITS
■ Extra-thin diamond blade	■ For professional cutting of tiles
■ Additional metal flanges	■ The best quality of cut & cutting speed even on the hardest tiles
■ 10mm continuous rim	■ Prevent wobbling of the steel-centre during the cut
	■ Longer product life



BETTER

MD120C



For use on ceramic tiles, stone tiles, marble granite, terrazzo & limestone

FEATURES	BENEFITS
■ Sintered, continuous rim diamond blade	■ Excellent cutting speed, producing a very clean cut
■ 9mm segment height	■ Long life
■ Heavy duty diamond blade	■ Ideal for glazed materials







			SUPER GRES XT	MD120C
DIA (mm)	HxTxB (mm)	PK QTY	BEST	BETTER
180	9,0x1,6x25,4	1		701846 25561
200	10,0x1,6x25,4	1	701846 25427	
	9,0x1,6x25,4	1		701846 25093
250	10,0x1,6x25,4	1	701846 25428	
	9,0x1,6x25,4	1		701846 25097
300	10,0x1,8x25,4	1	701846 25429	
	9,5x2,0x25,4	1		701846 25098
350	9,5x2,0x25,4	1		701846 25100

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

PRODUCT SELECTION

USAGE KEY  Highly recommended  Recommended 	INNOVATION	BEST	BEST	BEST	BETTER	GOOD	BEST	BETTER
		4X4 EXPLORER	SILENCIO	FMD DUO	BS-U	ALFA	SUPER GRES XT	MD120C
		MULTI-PURPOSE	GENERAL PURPOSE BUILDING MATERIALS				CERAMIC & STONE TILES	
Steel								
Granite								
Engineering bricks								
Cured concrete								
Clay/pipes/paviors								
Quarry tiles								
Marble								
Hard paviors								
Clay roof tiles								
Terrazo								
Facing bricks								
Reinforced concrete								
Concrete paving slabs								
Concrete pipes/kerbs								
Slate								
Limestone concrete								
Medium block paviors								
Concrete roof tiles								
Sandstone								
Asphalt over concrete								
Breeze blocks								
Tarmac top blocks								
Asphalt								

Norton tile saw blades come in a range of sizes designed to all common tile saw machines.

APPLICATIONS & MARKETS

- Construction
- Tiling
- Bathroom fitting
- Kitchen fitting



BETTER

MD120C








For use on ceramic tiles, stone tiles, marble granite, terrazzo & limestone


FEATURES	BENEFITS
■ Sintered, continuous rim diamond blade	■ Excellent cutting speed, producing a very clean cut
■ 9mm segment height	■ Long life
■ Heavy duty diamond blade	■ Ideal for glazed materials




GOOD

CLASSIC CERAM








For use on ceramic tiles

FEATURES	BENEFITS
■ Sintered, continuous rim diamond blade	■ Value for money
■ Economy range	



			MD120C	CLASSIC CERAM
DIA (mm)	HxTxB (mm)	PK QTY	BETTER	GOOD
180	9,0x1,6x25,4	1	701846 25561	
	7,0x1,7x25,4	1		701846 26828
200	9,0x1,6x25,4	1	701846 25093	
230	7,0x1,8x25,4	1		701846 26830
250	9,0x1,6x25,4	1	701846 25097	
300	9,0x2,0x25,4	1	701846 25098	
350	9,0x2,4x25,4	1	701846 25100	

PRODUCT SELECTION

USAGE KEY	BETTER	GOOD
 Highly recommended		
 Recommended	MD120C	CLASSIC CERAM
	CERAMIC & STONE TILES	
Granite		
Clay/pipes/paviors		
Quarry tiles		
Marble		
Terrazo		
Slate		

Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore



NORTON

SAINT-GOBAIN



450 INTRODUCTION

455 BRUSHES FOR BENCH GRINDERS

457 BRUSHES FOR ANGLE GRINDERS

461 BRUSHES FOR HAND DRILLS

464 HAND BRUSHES

470 TUNGSTEN CARBIDE BURRS

478 STEEL WOOL

480 CLEANING & POLISHING PRODUCTS








484 TAPES

**Wire Brushes, Burrs,
Cleaning & Polishing
Products, Tapes**

Norton offers a broad range of wire brushes suitable for a wide range of surface processing applications. The range encompasses crimped & knotted wire power wheel brushes, bevelled brushes, cup brushes, end brushes & hand brushes.

Our high quality products contain a number different types of wire which have been specifically selected to give the best results in any specific application.

WIRE TYPES						
TEMPERED QUALITY STEEL WIRE			STAINLESS STEEL WIRE			BRASS WIRE
CRIMPED	STRAIGHT		CRIMPED	STRAIGHT		CRIMPED
						
Removing dust and smoothing low-grade and non alloys steels			Brushing and smoothing chome-nickel steels, including stainless steel			For brushing, cleaning and smoothing brass, copper and bronz
NOSCW NOrmal Steel Crimped Wire	NOSKW NOrmal Steel Knotted Wire	NOSSW NOrmal Steel Straight Wire	STSCW S-Tainless Steel Crimped Wire	STSKW S-Tainless Steel Knotted Wire	STSSW S-Tainless Steel Straight Wire	BRACW BRAss Crimped Wire



SHAPE KEY			
CODE	PRODUCT TYPE	TOOL	APPLICATION
WHB	Crimped Wheel Brushes		Supplied as standard with arbour hole as indicated. The size of the arbour hole can be reduced with reduction rings. Wheel brushes with short wire are more aggressive. Larger widths require more horse power.
	Twist Knotted Wheel Brushes		This brush is ideally suited for brushing out welded joints and brushing sharp corners.
BEB	Bevel Brushes		Specially designed for brushing hard-to-reach places such as edges and corners.
CPB	Crimped Cup Brushes		This brush is designed for cleaning jobs, especially on larger surfaces. It is ideal for removing rust, corrosion, paint & primers. Removal of rust, corrosion, paint and primers.
	Twist Knotted Cup Brushes		An aggressive brush which is excellent for heavy-duty cleaning and finishing of large surfaces. Extremely suitable for removing barnacles, scale, paint, rust and corrosion, as well as cleaning weld seams and spot-welds.
WHB/ENB	Shaft Mounted Brushes		Suitable for industrial use. Ideal for hard-to-reach areas. All shaft mounted brushes are equipped with a 6mm shank.
HCB/SPB	Hand Brushes		With wooden core. Available in different widths. For use on narrow work pieces. Ideal for light deburring & cleaning profiled surfaces
TUB	Pipe Brushes		With handle or thread. For deburring and cleaning tubes.




OPERATING SPEED

Peripheral speed is a decisive factor in achieving optimum performance from a brush, the table opposite enables you to determine the relevant peripheral speed by simply reading down and across the appropriate diameter and drive shaft operating speed columns.

BRUSH DIAMETER (mm)	PERIPHERAL SPEEDS (m/s)												
	20	40	50	80	100	125	150	180	200	250	300	350	
min ⁻¹													
800				3,35	4,19	5,23	6,28	7,53	8,37	10,47	12,56	14,75	
900			2,35	3,77	4,71	5,88	7,06	8,48	9,41	11,77	14,12	16,47	
1150			3,01	4,81	6,01	7,52	9,02	10,83	12,03	15,04	18,04	21,04	
1200	1,26	2,51	3,14	5,02	6,28	7,85	9,41	11,3	12,55	15,69	18,83	21,97	
1400	1,46	2,93	3,66	5,86	7,32	9,15	10,98	13,18	14,64	18,31	21,97	25,63	
1500	1,57	3,14	3,92	6,28	7,85	9,81	11,77	14,13	15,69	19,61	23,54	27,46	
1800	1,88	3,77	4,71	7,54	9,41	11,77	14,12	16,95	18,83	23,54	28,24	32,95	
2000	2,09	4,19	5,23	8,37	10,26	13,08	15,69	18,84	20,92	26,15	31,38	36,61	
2500	2,62	5,23	6,54	10,47	13,08	16,35	19,61	23,55	26,15	32,67	39,23	45,76	
2800	2,93	5,86	7,32	11,72	14,64	18,31	21,97	26,37	29,29	36,61	43,93	51,25	
3000	3,14	6,28	7,85	12,56	15,69	19,62	23,54	28,26	31,38	39,23	47,07	54,92	
3200	3,35	6,7	8,37	13,4	16,74	20,92	25,1	30,14	33,47	41,84	50,21	58,58	
3500	3,66	7,33	9,15	14,65	18,31	22,89	27,46	32,97	36,61	45,76	54,92	64,07	
4000	4,19	8,37	10,46	16,75	20,92	26,16	31,38	37,68	41,84	52,33	62,76	73,22	
4500	4,7	9,42	11,77	18,84	23,54	29,43	35,3	42,4	47,07	58,84	70,61	82,43	
5000	5,23	10,47	13,08	20,93	26,15	32,7	39,23	47,1	52,33	65,38	78,5		
5400	5,65	11,3	14,12	22,94	28,24	35,31	42,36	50,67	56,48	70,61	84,78		
6000	6,28	12,56	15,69	25,12	31,38	39,24	47,07	56,52	62,76	78,5			
7000	7,33	14,66	18,31	29,31	36,61	45,78	54,92	65,94	73,22	91,58			
8000	8,37	16,75	20,92	33,94	41,48	52,32	62,76	75,36	83,73				
9000	9,42	18,84	23,54	37,68	47,07	58,86	70,61	84,78	94,2				
10000	10,47	20,93	26,17	41,86	52,33	65,4	78,5	94,2					
12500	13,08	26,17	32,71	52,33	65,42	81,75	98,13						
15000	15,7	31,4	39,25	62,8									
17500	18,32	36,63	45,79	73,26									
20000	20,93	41,87	52,33	83,73									
22500	23,55	47,1	58,88	94,2									
25000	26,17	52,33	65,42	104,66									

MAXIMUM OPERATING SPEED

TYPE	DIAMETER (mm)	MAX RPM
 WHEEL BRUSHES	80	10000
	100	8000
	125	6000
	150	6000
	180	6000
	200	4500
	250	3600
	250 - 1 row	3500
	300	3000
 CUP BRUSHES	60/65/75	11000
	60/65/75	11000
	60/65/75	10000
	75	9300
	80/100	8500
	125/150	6500

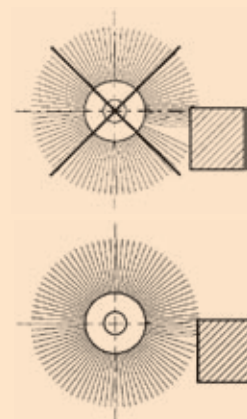
TYPE	DIAMETER (mm)	MAX RPM
 BEVEL BRUSHES	100	11000
	100/115	11000
	115	10000
 TWIST KNOTTED WHEEL BRUSHES	100	11000
	115	11000
	125	10000
	150/180	8500
	200	6500
 SHAFT MOUNTED WIRE BRUSHES	20	20000
	30	20000
	40	18000
	50	15000
	60	15000
	70	15000
	80	12000

The maximum RPM ratings are safety ratings not recommended operating speeds. The optimum operating speed is determined by the application and in most cases lower operating speeds will prove more efficient and achieve the best result. As a general guide we recommend the following peripheral speeds when working on the materials listed with:

	CRIMPED WIRE	TWIST KNOTTED
STEEL	30 m/s	35-40 m/s
NON FERROUS	18-20 m/s	
PLASTIC	15 m/s	

BRUSHING PRESSURE

- Let the tips of a wire brush do the work. Operate the brush with the lightest pressure so only the tips of the wire come in contact with the work.
- If heavy pressure is used, wires will be over stressed, resulting in a wiping action, and if this is continued, the life of the brush will be shortened due to wire fatigue.
- Apply the work to the face of the brush ensuring as much of the brush face as possible is in full contact. Applying the work to the side or edge of the brushing tool will result in wire breakage and shortened brush life.
- Reversing the wheel brush rotation periodically will tend to increase the life of the brush. This results in the sharpening of the wire tips or ends, ensuring faster cutting action.



SIZE OF WIRE

- Use the finest size of wire suitable for the application
- Finer wire size will perform better and last longer than heavier

TROUBLESHOOTING

Several factors can influence a brush application. If the selected brush does not achieve the expected result, the following table may provide solutions for the most common problems faced by a user. For further information, please contact our technical department.

PROBLEM	RECOMMENDED ACTIONS
Brush is too aggressive	<ul style="list-style-type: none"> ■ Increase trim length ■ Reduce wire diameter ■ Reduce operating speed
Brush is not aggressive enough	<ul style="list-style-type: none"> ■ Reduce trim length ■ Increase wire diameter ■ Increase operating speed
Action of brush does not totally remove scale	<ul style="list-style-type: none"> ■ Reduce trim length ■ Increase wire diameter
Finish is too coarse	<ul style="list-style-type: none"> ■ Increase trim length ■ Reduce wire diameter ■ Increase operating speed ■ Choose a nylon abrasive brush
Finish is too smooth	<ul style="list-style-type: none"> ■ Reduce trim length ■ Increase wire diameter
Action of brush is not uniform	<ul style="list-style-type: none"> ■ Reduce brushing pressure ■ Automate operations to avoid human inaccuracy
Wire breaks more than usual	<ul style="list-style-type: none"> ■ Reduce brushing pressure ■ Reduce wire diameter ■ Reduce operating speed
Life of the brush is too short	<ul style="list-style-type: none"> ■ Reduce wire diameter ■ Increase brush diameter ■ Reduce brushing pressure

SAFETY & STORAGE

Safety goggles or full face shields with side shields must be worn by all operators and others in the immediate area of power brush operations.

- Keep all machine guards in place
- Observe all speed restrictions indicated on brushes
- Appropriate protective clothing and equipment must be used.
- Brushes should be carefully checked when removed from the original carton. Do not use if rusted or damaged.
- Store brushes in the original carton. Wire brushes should not be exposed to heat, high humidity, acids, fumes or liquids that can result in deterioration of the wire filaments, and subsequently, premature failure of the wires. Also, check for distortion of brush fill that can cause imbalance and excessive vibration when the brush is running.
- Check maximum spindle speed. Do not mount and operate the brush if spindle RPM exceeds the maximum safe free speed for which the brush is rated. Spindle length should be sufficient to permit a full nut mounting.
- Before starting the machine, rotate the wire brush with a gloved hand to determine that the brush has been correctly mounted and turns freely.

METAL REDUCING FLANGES FOR WHEEL BRUSHES

SIZE (mm) R ³ x A	PK QTY	ART. NO.
20 x 13	1	66254406503*
20 x 16	1	66254406501*
30 x 13	1	66254406500*
30 x 16	1	66254406487*
30 x 20	1	66254406486*
30 x 25,4	1	66254406484*
50,8 x 30	1	66254406482*
50,8 x 32	1	66254406481*
80 x 30	1	66254406478*
80 x 32	1	66254406476*
80 x 50,8	1	66254406472*
100 x 30	1	66254406468*
100 x 32	1	66254406467*
100 x 50,8	1	66254406457*
120 x 30	1	63642589202*
120 x 32	1	63642589203*
120 x 50,8	1	63642589204*

* Made-to-order

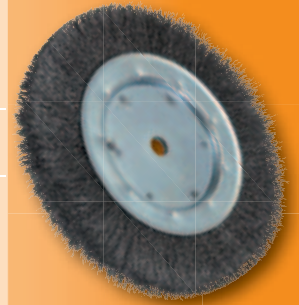
BRUSHES FOR BENCH GRINDERS

FEATURES

- Wheel brushes are ideal for removing corrosion, rust, hardened paints & hard adhesive residues
- Twist Knotted Wire is ideal for heavier applications
- Crimped Wire is ideal for lighter applications

BENEFITS

- Can be used universally on all kinds of applications (tubes, corners, angles)
- Good surface finish, especially smaller diameter wheels
- Good price/performance ratio



WHEEL BRUSHES (WHB)

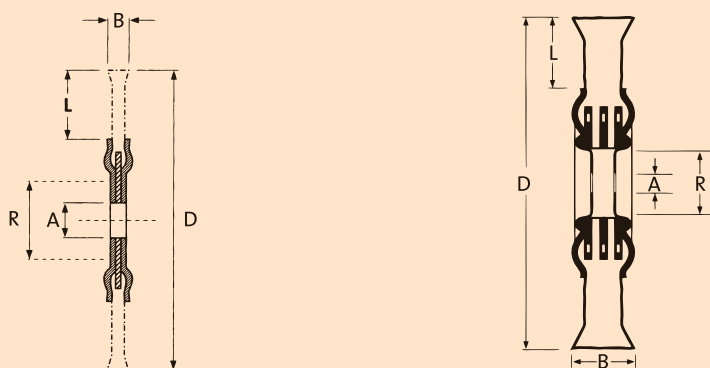
NORMAL STEEL CRIMPED WIRE (NOSCW) - 1 ROW



SHAPE	D	B	A	R	WIRE Ø	ROW	L	PK QTY	ART. NO.
WHB	100	11	12	20	0,30	1R	T22	1	66254406455*
	125	11	12	20	0,30	1R	T34	1	66254406454
	150	13	12	32	0,30	1R	T34	1	66254406453
	180	13	12	50,8	0,30	1R	T33	1	66254406452
	200	13	12	50,8	0,30	1R	T43	1	66254406451

* Made-to-order

SHAPE KEY



Dimensions Key: D = Diameter, B = Width, A = Bore min, R = Bore max, L = Wire Length

WHEEL BRUSHES (WHB) (CONTINUED)

NORMAL STEEL CRIMPED WIRE (NOSCW) - 2/3 ROWS



SHAPE	D	B	A	R	WIRE Ø	ROW	L	PK QTY	ART. NO.
WHB	100	20	20	30	0,20	2R	T24	1	66254406450
	125	24	20	30	0,20	2R	T36	1	66254406409
	150	29	32	51	0,20	2R	T27	1	66254406407
	180	22	32	51	0,20	2R	T42	1	66254406403
	200	26	32	80	0,20	2R	T40	1	66254406401
	80	15	20	20	0,30	2R	T20	1	66254406399
	100	20	20	30	0,30	2R	T24	1	66254406284
	100	28	20	30	0,30	3R	T24	1	66254406283*
	125	24	20	30	0,30	2R	T36	1	66254406282
	150	18	32	51	0,30	2R	T27	1	66254406265
	150	29	32	51	0,30	2R	T27	1	66254406264
	180	22	32	51	0,30	2R	T42	1	66254406263
	180	28	32	51	0,30	2R	T42	1	66254406259
	200	26	32	80	0,30	2R	T40	1	66254406255
	200	36	32	80	0,30	3R	T40	1	66254406243
	250	32	50,8	100	0,30	2R	T50	1	66254406241
	300	32	50,8	100	0,30	2R	T60	1	66254406240*
	150	29	32	51	0,50	2R	T27	1	66254406239*
	180	28	32	51	0,50	3R	T42	1	66254406237*
200	26	32	80	0,50	2R	T40	1	66254406216	
250	38	50,8	100	0,50	3R	T50	1	66254406214	

STAINLESS STEEL CRIMPED WIRE (STSCW)



SHAPE	D	B	A	R	WIRE Ø	ROW	L	PK QTY	ART. NO.
WHB	150	18	32	51	0,20	2R	T27	1	66254406211*
	125	24	20	30	0,30	2R	T36	1	66254406208
	150	18	32	51	0,30	2R	T27	1	66254406206
	150	29	32	51	0,30	3R	T27	1	66254406203
	180	22	32	51	0,30	2R	T42	1	66254406199
	180	28	32	51	0,30	3R	T42	1	66254406196
	200	26	32	80	0,30	2R	T40	1	66254406187

BRASS CRIMPED WIRE (BRACW)



SHAPE	D	B	A	R	WIRE Ø	ROW	L	PK QTY	ART. NO.
WHB	150	29	32	51	0,20	3R	T43	1	66254414433*

* Made-to-order

WHEEL BRUSHES (WHB)

NORMAL STEEL TWIST KNOTTED WIRE (NOSKW)



SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
WHB	100	11	22,2	0,35	T22	1	66254406185
	115	11	22,2	0,35	T23	1	66254406180
	125	13	22,2	0,35	T28	1	66254406178
	178	15	22,2	0,35	T35	1	66254406175
	115	11	M14	0,35	T23	1	66254406173
	125	13	M14	0,35	T28	1	66254406172
	100	11	22,2	0,50	T22	1	66254406170*
	115	11	22,2	0,50	T23	1	66254406167
	125	13	22,2	0,50	T28	1	66254406166
	150	12	22,2	0,50	T34	1	66254406164
	178	15	22,2	0,50	T35	1	66254406163
	115	11	M14	0,50	T23	1	66254406160
	125	13	M14	0,50	T28	1	66254406158
	178	15	M14	0,50	T44	1	66254406155



STAINLESS STEEL TWIST KNOTTED WIRE (STSKW)

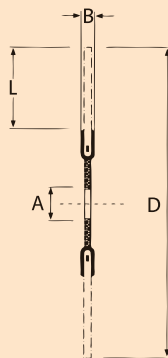


SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
WHB	115	11	22,2	0,50	T23	1	66254406153
	125	11	22,2	0,50	T23	1	66254410928*
	178	15	22,2	0,50	T35	1	66254406152**

All sizes also available with left hand twist knot direction upon request.

* Made-to-order
** left hand knot direction

SHAPE KEY



Dimensions Key: D = Diameter, B = Width, A = Bore min, R = Bore max, L = Wire Length

BEVEL BRUSHES

FEATURES

- Larger diameter brushes for heavier applications
- Smaller diameter brushes for finer applications
- Twist Knotted Wire is ideal for pipes

BENEFITS

- Cup brush ideal for brushing larger surfaces
- Good price/performance ratio
- Uniform brushing, even in difficult-to-reach areas



BEVEL BRUSHES (BEB)

NORMAL STEEL TWIST KNOTTED WIRE (NOSKW)



SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
BEB	100	13	M14	0,50	T20	1	66254406149
	115	15	M14	0,50	T27,5	1	66254406147

STAINLESS STEEL TWIST KNOTTED WIRE (STSKW)



SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
BEB	100	10	M14	0,50	T20	1	66254406146
	115	15	M14	0,50	T27,5	1	66254406144

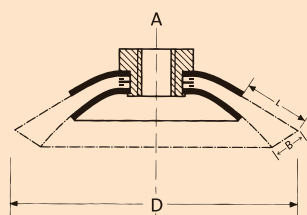
NORMAL STEEL CRIMPED WIRE (NOSCW)



SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
BEB	100	13	M14	0,30	T20	1	66254406142
	115	15	M14	0,30	T20	1	66254406109

Bevel brushes supplied with left- hand knots. Right- hand knots available upon request.

SHAPE KEY



CUP BRUSHES (CPB)

NORMAL STEEL TWIST KNOTTED WIRE (NOSKW)



SHAPE	D	A	WIRE Ø	L	PK QTY	ART. NO.
CPB	65	M10	0,35	T20	1	66254406107
	65	M14	0,35	T20	1	66254406104
	80	M14	0,35	T25	1	66254406102
	100	M14	0,35	T25	1	66254406099
	120	M14	0,35	T25	1	66254406097
	65	M14	0,50	T20	1	66254406095
	80	M14	0,50	T25	1	66254406094
	80	5/8"	0,50	T25	1	66254406091*
	100	M14	0,50	T25	1	66254406088
	100	5/8"	0,50	T25	1	66254406086
	120	M14	0,50	T25	1	66254406084
	80	M14	0,80	T25	1	66254406082
	80	5/8"	0,80	T25	1	66254406079*
	100	M14	0,80	T25	1	66254406076
	120	M14	0,80	T25	1	66254406070



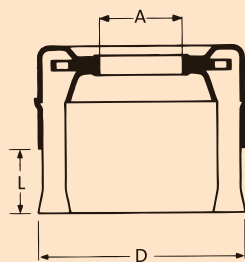
STAINLESS STEEL TWIST KNOTTED WIRE (STSKW)



SHAPE	D	A	WIRE Ø	L	PK QTY	ART. NO.
CPB	65	M14	0,50	T20	1	66254406068
	80	M14	0,50	T25	1	66254406067
	100	M14	0,50	T25	1	66254406065*

* Made-to-order

SHAPE KEY



Dimensions Key: D = Diameter, B = Width, A = Bore min, R = Bore max, L = Wire Length

CUP BRUSHES (CONTINUED)

NORMAL STEEL CRIMPED WIRE (NOSCW)



SHAPE	D	A	WIRE Ø	L	PK QTY	ART. NO.
CPB	60	M14	0,20	T16	1	662544 06062
	75	M14	0,20	T20	1	662544 06059
	60	M14	0,30	T16	1	662544 06058
	75	M14	0,30	T20	1	662544 06055
	80	M14	0,30	T25	1	662544 06054
	100	M14	0,30	T30	1	662544 06053
	125	22,2	0,30	T35	1	662544 06052
	125	M14	0,30	T35	1	662544 06050
	150	M14	0,30	T55	1	662544 06049
	80	M14	0,50	T25	1	662544 06048
	100	M14	0,50	T30	1	662544 06041*



STAINLESS STEEL CRIMPED WIRE (STSCW)



SHAPE	D	A	WIRE Ø	L	PK QTY	ART. NO.
CPB	60	M14	0,30	T16	1	662544 06037
	80	M14	0,30	T25	1	662544 04868

* Made-to-order

SPINDLE MOUNTED BRUSHES

FEATURES

- Ideal for medium force brushing
- Available in crimped and knotted wire
- Inox wire contains less oil

BENEFITS

- For difficult-to-reach areas (holes, tubes)
- Steady brushing
- Knotted wire for heavy brushing, crimped wire for normal brushing



CIRCULAR BRUSHES ON SHANK (WHB)

NORMAL STEEL CRIMPED WIRE (NOSCW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
WHB	20	4	6	0,20	T3	10	66254404872
	20	9	6	0,20	T3	10	66254404903
	30	6	6	0,20	T6,5	10	66254404875
	30	9	6	0,20	T6,5	10	66254404876
	40	9	6	0,20	T9	10	66254404879
	40	13.5	6	0,20	T9	10	66254404904
	50	10	6	0,20	T12.5	10	66254404880
	50	15	6	0,20	T12.5	10	66254404881
	60	10	6	0,20	T17.5	10	66254404884
	60	15	6	0,20	T17.5	10	66254404885
	70	10	6	0,20	T19	10	66254404886
	70	15	6	0,20	T19	10	66254404887
	80	10	6	0,20	T19	10	66254404889
	80	20	6	0,20	T19	10	66254404905
	50	10	6	0,30	T12.5	10	66254404891
	50	15	6	0,30	T12.5	10	66254404893
	60	10	6	0,30	T17.5	10	66254404894
	60	15	6	0,30	T17.5	10	66254404897
	60	20	6	0,30	T17.5	10	66254411025*
	70	10	6	0,30	T19	10	66254404899
70	15	6	0,30	T19	10	66254404900	
80	20	6	0,30	T19	10	66254404907	



* Made-to-order

Dimensions Key: D = Diameter, B = Width, A = Bore min, R = Bore max, L = Wire Length

CIRCULAR BRUSHES ON SHANK (WHB) (CONTINUED)

STAINLESS STEEL CRIMPED WIRE (STSCW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
WHB	30	9	6	0,20	T6.5	10	66254404909
	40	9	6	0,20	T9	10	66254404910
	40	13.5	6	0,20	T9	10	66254404912
	50	10	6	0,20	T12.5	10	66254404915
	50	15	6	0,20	T12.5	10	66254405238
	60	10	6	0,20	T17.5	10	66254405269
	60	15	6	0,20	T17.5	10	66254405270
	70	10	6	0,20	T19	10	66254405271
	70	15	6	0,20	T19	10	66254405390
	80	20	6	0,20	T19	10	66254405392
	60	10	6	0,30	T17.5	10	66254405393
	60	15	6	0,30	T17.5	10	66254405394
	70	10	6	0,30	T19	10	66254405395
	70	15	6	0,30	T19	10	66254405396
	80	20	6	0,30	T19	10	66254405398



BRASS CRIMPED WIRE (BRACW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
WHB	30	9	6	0,20	T6.5	10	66254405400
	40	9	6	0,20	T9	10	66254405401
	50	15	6	0,20	T12.5	10	66254405397
	60	15	6	0,20	T17.5	10	66254405402
	70	15	6	0,20	T19	10	66254405403
	80	20	6	0,20	T19	10	66254405405



NORMAL STEEL TWIST KNOTTED WIRE (NOSKW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
WHB	70	15	6	0,35	T15	12	66254405406
	70	15	6	0,50	T15	12	66254405407




Dimensions Key: D = Diameter, B = Width, A = Bore min, R = Bore max, L = Wire Length

END BRUSHES ON SHANK (ENB)

NORMAL STEEL CRIMPED WIRE (NOSCW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	12	60	6	0,20	T20	12	66254405408
	17	65	6	0,20	T22	12	66254405409
	12	60	6	0,30	T20	12	66254405410
	17	65	6	0,30	T22	12	66254405411
	24	68	6	0,30	T25	12	66254405412
	30	68	6	0,30	T25	12	66254405413




STAINLESS STEEL CRIMPED WIRE (STCSW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	12	60	6	0,30	T20	12	66254405414
	17	65	6	0,30	T22	12	66254405415
	24	68	6	0,30	T25	12	66254405418
	30	68	6	0,30	T25	12	66254405419

NORMAL STEEL TWIST KNOTTED WIRE (NOSKW) - HIGH SPEED

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	19	68	6	0,35	T28	12	66254405421
	22	68	6	0,35	T28	12	66254405422
	28	68	6	0,50	T28	12	66254405423



STAINLESS STEEL KNOTTED WIRE (STSKW) - HIGH SPEED

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	19	68	6	0,25	T28	12	66254405424*
	22	68	6	0,25	T28	12	66254405425

BRASS CRIMPED WIRE (BRACW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	24	68	6	0,30	T25	12	66254405427

SPECIALTIES

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	50	63	6	0,30	T20	5	66254405428
	70	68	6	0,30	T25	5	66254405429
	10	120	6	0,30	T20	10	66254405430

* Made-to-order

SHAPE KEY

