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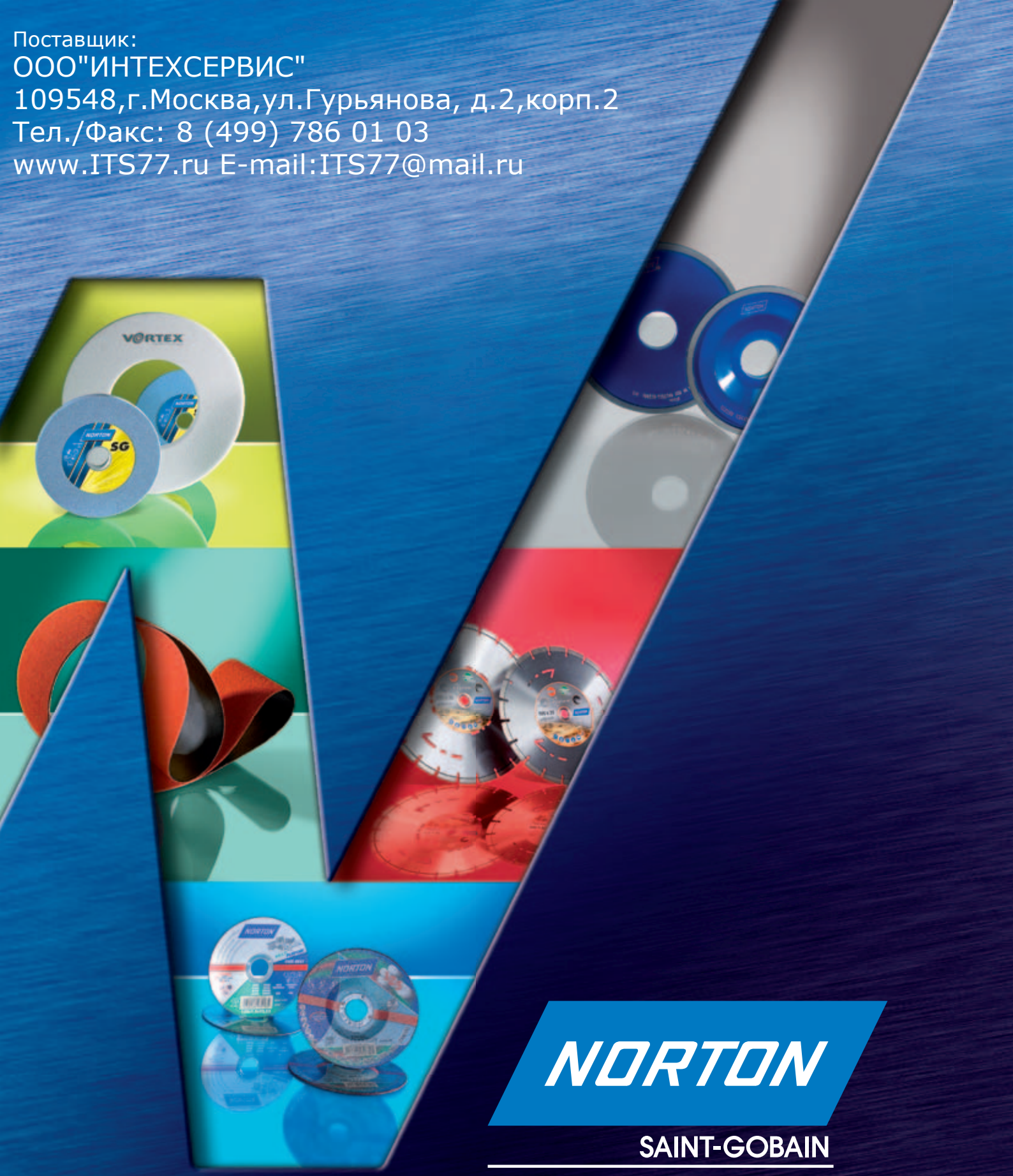


NORTON

SAINT-GOBAIN

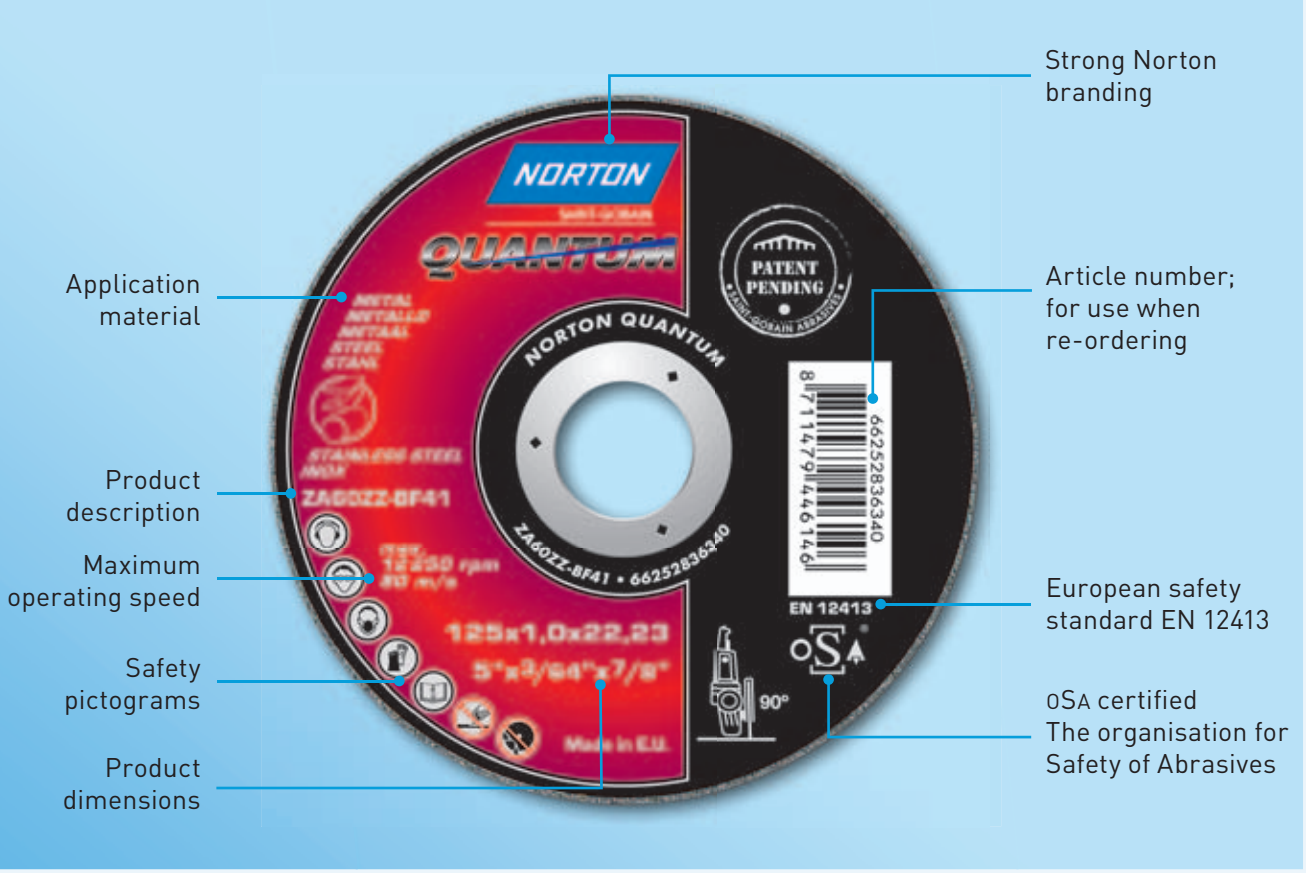
ABRASIVE TECHNOLOGICAL EXCELLENCE

INTRODUCTION

The Norton range of cutting-off and grinding wheels for portable and fixed machines provide superior performance in the most stringent working environment. The product range includes state-of-the-art solutions for cutting-off, grinding, and surface finishing operations on any materials related to industrial fabrication markets.

Norton, the industry's most comprehensive cutting-off and grinding product line.

UNDERSTANDING THE PRODUCT



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

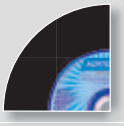
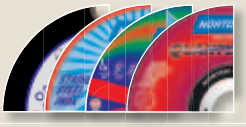
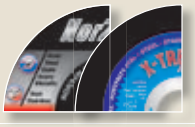
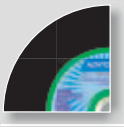
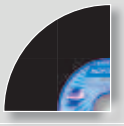
All Norton products are designed to be operator friendly with high safety standards to satisfy the requirements of all professional users.

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

- ■ Highly recommended
- ◧ Recommended

	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					BEST			BETTER				GOOD	
Steel, construction steel	■	■	■	■	◧	■	■	■	■	◧			■	
Low-allow 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

- ■ Highly recommended
- ◪ Recommended

	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
	INNOVATION BEST		BEST						BETTER					GOOD	
Steel, construction steel	■	■	■	■	■	■	■	■	■	■	◪			■	
Low-allow steel	■	■	■	■	■	■	■	■	■	■	◪			■	
High-alloy steel	■	◪	◪	■	■	◪	■	■	◪	■	■			■	
Stainless steel, Inox	■	■	■	■	■	■	■	■	◪	◪	■			◪	
Cast iron			■	■	■	■	■	■					◪		◪
Non-ferrous		■										■			
Titanium												◪	■		■
Stone, concrete													■		■

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	1-2-3 A 46 S-BF27
Type 27	115	2,2x22,23	25	66252829704
	125	2,2x22,23	25	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!

WHEELS FOR ANGLE GRINDERS

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	BENEFITS
Premium aggressive NorZon Plus grain	No other wheel lasts longer
Revolutionary Patent Pending Bond 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

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 41	115	1,0x22,23	25	66252836338
		1,3x22,23	25	66252836897
		1,6x22,23	25	66252836339
	125	1,0x22,23	25	66252836340
		1,3x22,23	25	66252836898
		1,6x22,23	25	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	BENEFITS
Advanced grain & bond system	Longer product life & faster material removal
Suitable for steel, stainless steel, aluminium, stone and tile applications	No more time loss due to machine or product changing
Unique grain & bond system optimised for non-ferrous	Counteracts loading & wheelglazing when cutting non-ferrous
Sharp silicon carbide grains	Longer product life & quicker cutting Optimised to cut stone, bricks, concrete & asphalt

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	MEDIUM	SOFT
Type 27	100	7,0x16,0	25	66252829953	
	115	4,6x22,23	25	66252829939	
		7,0x22,23	25	66252829483	66252829484
	125	4,6x22,23	25	66252829937	
		7,0x22,23	25	66252829485	66252829922
	150	7,0x22,23	25	66252829954	
	180	7,0x22,23	25	66252829486	66252829487
		8,0x22,23	20	66252829940	
	230	7,0x22,23	25	66252829489	66252829490
		8,0x22,23	20	66252830004	

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
	125	1,6x22,23	25	66252829985
	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
	125	2,5x22,23	25	66252829892
	150	2,5x22,23	25	66252829907
	180	2,5x22,23	25	66252829893
	230	2,5x22,23	25	66252829894

WHEELS FOR ANGLE GRINDERS

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
■ 0.8mm thickness ■ Sharp silicon carbide grains	■ 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
■ Low vibration	■ Comfortable working
■ Free of iron, sulphur & chlorine	■ No contamination

METAL INOX

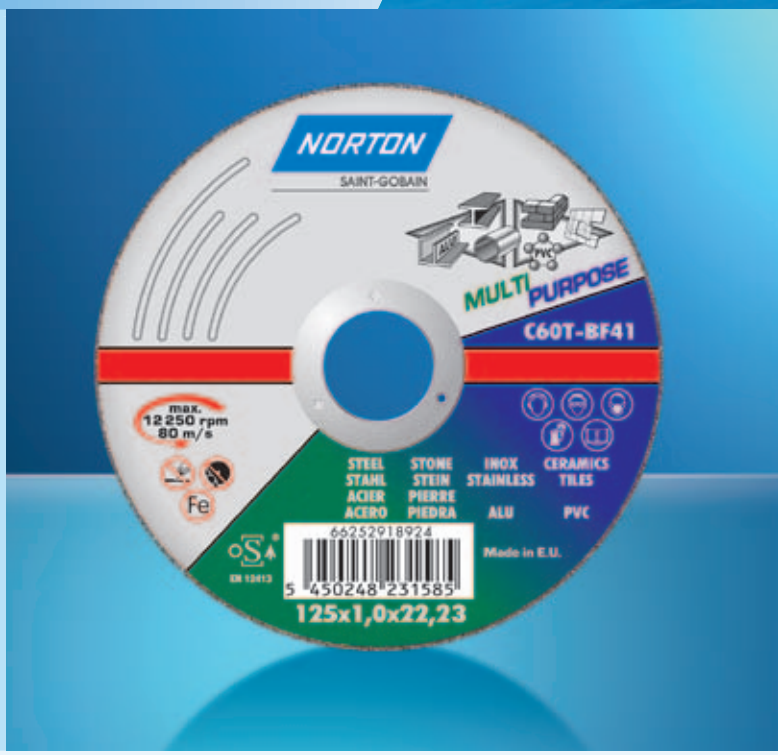
PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 42	115	0,8x22,23	25	6625283239
	125	0,8x22,23	25	6625283240

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	BENEFITS
Cuts all materials	No more time loss due to machine or product changing Quicker cutting
Ultra thin	Less noise, less dust, less material loss Extremely precise straight cuts with burr-free results Reduced energy consumption
Low vibration	Comfortable working
Unique construction	Counteracts loading & wheelglazing when cutting non-ferrous or plastics
Free of iron	No contamination

MULTI-PURPOSE

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	C 46 T-BF41	C 60 T-BF41
Type 41	115	1,0x22,23	25		66252833258
		1,6x22,23	25	66252828951	
	125	1,0x22,23	25		66252918924
		1,6x22,23	25	66252828952	
	180	1,6x22,23	25	66252926730	
	230	1,9x22,23	25	66252918925	

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

NORZON QUICK CUT

BEST

FEATURES	BENEFITS
■ Premium combination of zirconia grain and advanced bond system ■ Suitable for stainless steel, hardened steel and cast iron applications	■ 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
■ Q-Soft	■ Fast material removal
■ R-Medium	■ Optimised for universal applications
■ S-Hard	■ Long product life
■ Free of iron, sulphur & chlorine	■ No contamination

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	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	S-HARD	R-MEDIUM	Q-SOFT
Type 27	150	4,6x22,23	25		66252832732	
		7,0x22,23	25		66252833119	
	180	4,0x22,23	25	66252832871	66252950963	
		4,6x22,23	25		66252831429	
		7,0x22,23	25	66252831434	66252831433	66252832745
	230	4,0x22,23	25	66252832685	66252950964	
		4,6x22,23	25		66252831438	
		7,0x22,2	25		66252831446	
		7,0x22,23	25	66252831447		66252832746

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

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

X-TREME LIFE

BEST

FEATURES	BENEFITS
Premium aluminium oxide grain in combination with an advanced bond system	Ultra long product life & extremely quick cutting Optimised for powerful machines Easy to use
Free of iron, sulphur & chlorine	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	66252919427
		1,6x22,23	25	66252920339
		2,0x22,23	25	66252920340
		2,5x22,23	25	66252921564
	125	1,0x22,23	25	66252920341
		1,6x22,23	25	66252920342
		2,0x22,23	25	66252920343
		2,5x22,23	25	66252920350
	150	1,6x22,23	25	66252920344
	180	1,6x22,23	25	66252920345
		2,0x22,23	25	66252920346
		2,5x22,23	25	66252920347
	230	1,9x22,23	25	66252920348
		2,0x22,23	25	66252920351
		2,5x22,23	25	66252920349

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 42	115	2,5x22,23	25	66252921567
		3,2x22,23	25	66252921568
	125	2,5x22,23	25	66252918816
		3,2x22,23	25	66252918819
	180	2,5x22,23	25	66252918817
		3,2x22,23	25	66252918820
	230	2,5x22,23	25	66252918818
		3,2x22,23	25	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

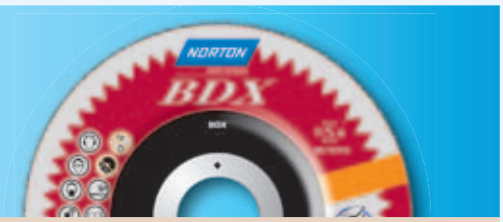
- Aerospace
- Automotive
- Construction
- Fabrication
- Foundry
- Rail industry
- Ship-building

BDX

GOOD

FEATURES	BENEFITS
The BDX range features a broad selection for steel/stainless steel and stone applications	No more time loss due to machine or product changing
Free of iron, sulphur & chlorine	No contamination
Sharp silicon carbide grains	Suitable for cutting stone, bricks, concrete & asphalt

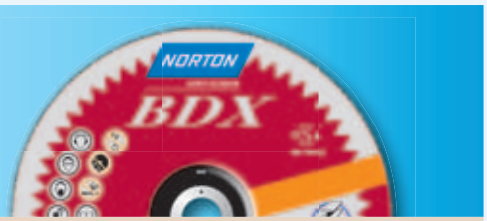
METAL INOX



PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 27	100	4,0x16,0	25	66252831398
		6,5x16,0	10	66252831400
	115	4,0x22,23	25	66252831406
		6,5x22,23	10	66252831408
	125	4,0x22,23	25	66252829766
		6,5x22,23	10	66252831415
	150	6,5x22,23	10	66252832633
	180	4,0x22,23	25	66252829477
		6,5x22,23	10	66252831431
	230	4,0x22,23	25	66252831439
		6,5x22,23	10	66252831440

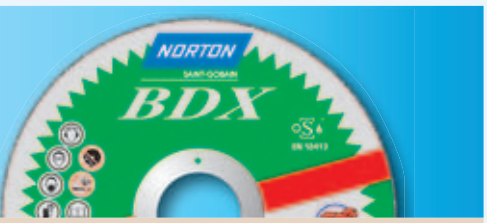
Dimensions Key: DIA = Diameter, T = Thickness, B = Bore

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

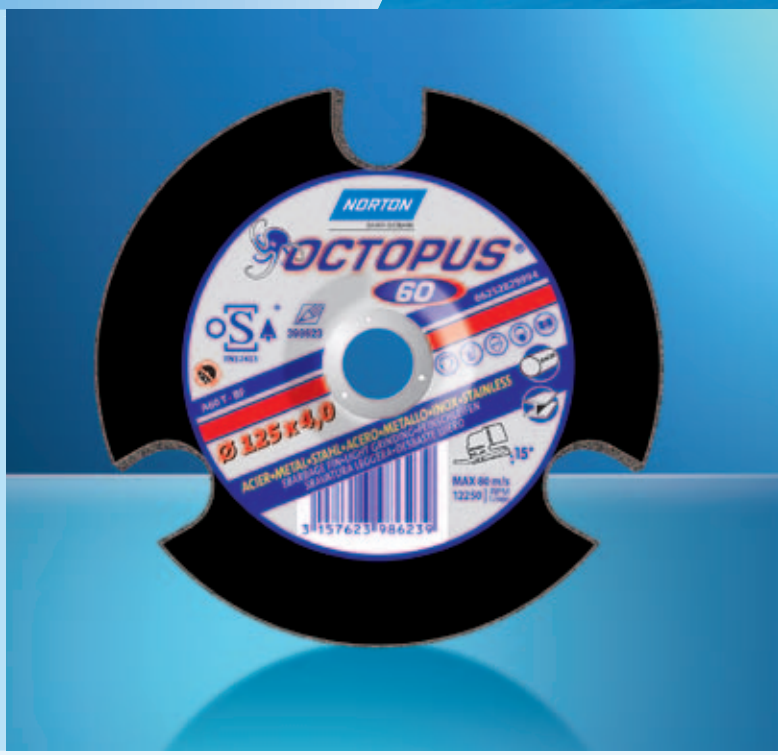
PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 27	115	6,5x22,23	10	66252831409
	125	6,5x22,23	10	66252831416
	180	6,5x22,23	10	66252831432
	230	6,5x22,23	10	66252831441

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	BENEFITS
Unique patterned face	Prevents loading Cooler operation
Viewable surface	Gives complete vision of the grinding zone More effective as less rework needed Reduces heat on the workpiece
Grinding & polishing with one product	No more lost time due to machine or product changing
2 grit sizes	36 grit for stock removal 60 grit for polishing
Low vibration	Comfortable working
No backing pad needed	Easy mounting

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	A 36 T-BF29	A 60 T-BF29
Type 29	115	4,0x22,23	20	662528**29991**	662528**29992**
	125	4,0x22,23	20	662528**29993**	662528**29994**

WHEELS FOR ANGLE GRINDERS

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	BENEFITS
Premium combination of zirconia grain & an advanced bond system	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
R-Medium grade	Fast material removal
S-Hard grade	Long wheel life
Free of iron, sulphur & chlorine	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	66252832968	66252832967
	125	7,0x22,23	25	66252832970	66252832969
	180	7,0x22,23	25	66252832972	66252832971
	230	7,0x22,23	25	66252832974	66252832973

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	BENEFITS
■ Premium combination of zirconia grain and advanced bond system	■ 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
■ Q-Soft grade	■ For comfortable working
■ R-Medium grade	■ Fast material removal
■ S-Hard grade	■ Long wheel life

CAST IRON/METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 42	115	3,2x22,23	25	66252833137
	125	3,2x22,23	25	66252829555
	180	3,2x22,23	25	66252833144
	230	3,2x22,23	25	66252831531

WHEELS FOR ANGLE GRINDERS

CAST IRON/METAL INOX

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

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	BENEFITS
Advanced grain & bond system	Longer product life & quicker cutting & grinding
Suitable for steel & stainless steel applications	No more lost time due to machine or product changing
2 external full reinforcements	Maximum safety High stability for straight cuts
Free of iron, sulphur & chlorine	No contamination
6mm ultra thick type 41 wheels available	Can be used for cutting & grinding

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	MEDIUM
Type 27	76	7,0x10,0	10	6625282**9952**

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

METAL INOX

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	HARD	MEDIUM
Type 41	50	1,0x6,35	50	66243578272	
		1,6x6,35	25		66243578274
		6,0x6,35	10		66252829875
	63	1,0x6,35	50	66252829956	
		1,6x6,35	25		66252829876
		2,5x6,35	25		66252925546
		6,0x6,35	10		66252829877
		1,0x10,0	50	66252829878	
		1,6x10,0	25		66252831132
		2,5x10,0	25		66252829879
		6,0x10,0	10		66252829880
	76	1,0x6,35	50	66252829941	
		1,6x6,35	25		66252829943
		2,5x6,35	25		66252829881
		6,0x6,35	10		66252829882
		1,0x8,0	50	66252829883	
		1,6x8,0	25		66252829884
		2,5x8,0	25		66252829885
		6,0x8,0	10		66252829886
		1,0x10,0	50	66252829957	
		1,6x10,0	25		66252829944
		2,5x10,0	25		66252830429
		3,2x10,0	25		66252829949
		6,0x10,0	10		66252829887
	100	1,0x10,0	25	66252829888	
		1,6x10,0	25		66252829767
Type 42	76	2,5x10,0	25		66252829947

WHEELS FOR PETROL SAWS

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	BENEFITS
Advanced grain & bond system	Longer product life Quick & free cutting
Sharps ilicon carbide grains	Optimised to cut stone, bricks, concrete & asphalt Longer product life & quicker cutting
2 external full reinforcements	Maximum safety High stability for straight cuts
80 m/s for 300mm 100 m/s for 350mm	Designed for petrol & electrical saws

METAL

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 41	300	3,8x20,0	10	66252829491
		3,8x22,23	10	66252829914
		3,8x25,4	10	66252829753
	350	3,8x20,0	10	66252829915
		3,8x22,23	10	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

WHEELS FOR CHOP SAWS

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	BENEFITS
Advanced grain & bond system	Longer product life Quick & free cutting
Internallyr einforced	Burn & burr-free cutting Maximum safety High stability for straight cuts
80m/ s	Designed for small electrical table & fixed machines

METAL

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	MEDIUM
Type 41	300	2,8x25,4	10	66252829909
	350	3,0x25,4	10	66252829910
	400	3,0x25,4	10	66252829918

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

WHEELS FOR STATIONARY MACHINES

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	BENEFITS
▪ Advanced grain & bond system	▪ Longer product life ▪ Quick & free cutting ▪ Burn & burr-free cutting
▪ Sharp silicon carbide grains	▪ Optimised to cut stone, bricks & concrete ▪ Long product life ▪ Quick & free cutting
▪ Strongr einforcements ▪ 2 external full reinforcements	▪ Maximum safety ▪ High stability for straight cuts
▪ 80m/ s	▪ Designed for stationary machines

STONE

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	
Type 41	300	3,0x25,4	10	66252829895
	350	3,5x25,4	10	66252829899
	400	4,0x25,4	10	66252829908

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

METAL

PRODUCT TYPE	DIA (mm)	TxB (mm)	PK QTY	HARD	MEDIUM	SOFT
Type 41	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**	

WHEELS FOR RAIL

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
▪ Premium grain & bond system	▪ White & straight cuts ▪ Quick & free cutting ▪ High stability
▪ 3s pecifications Soft-Medium-Hard	▪ Complete range for all rail machines, horsepower & applications
▪ 80 m/s for 300mm ▪ 100 m/s for 350mm	▪ 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		66252829589	
		3,5x22,23	10		66252829585	66252833257
	350	4,0x20,0	10		66252829586	
		4,0x22,23	10		66252829587	66252951091
		4,0x25,4	10	66252832744	66252829588	66252828620
	400	4,0x25,4	10			66252919130

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

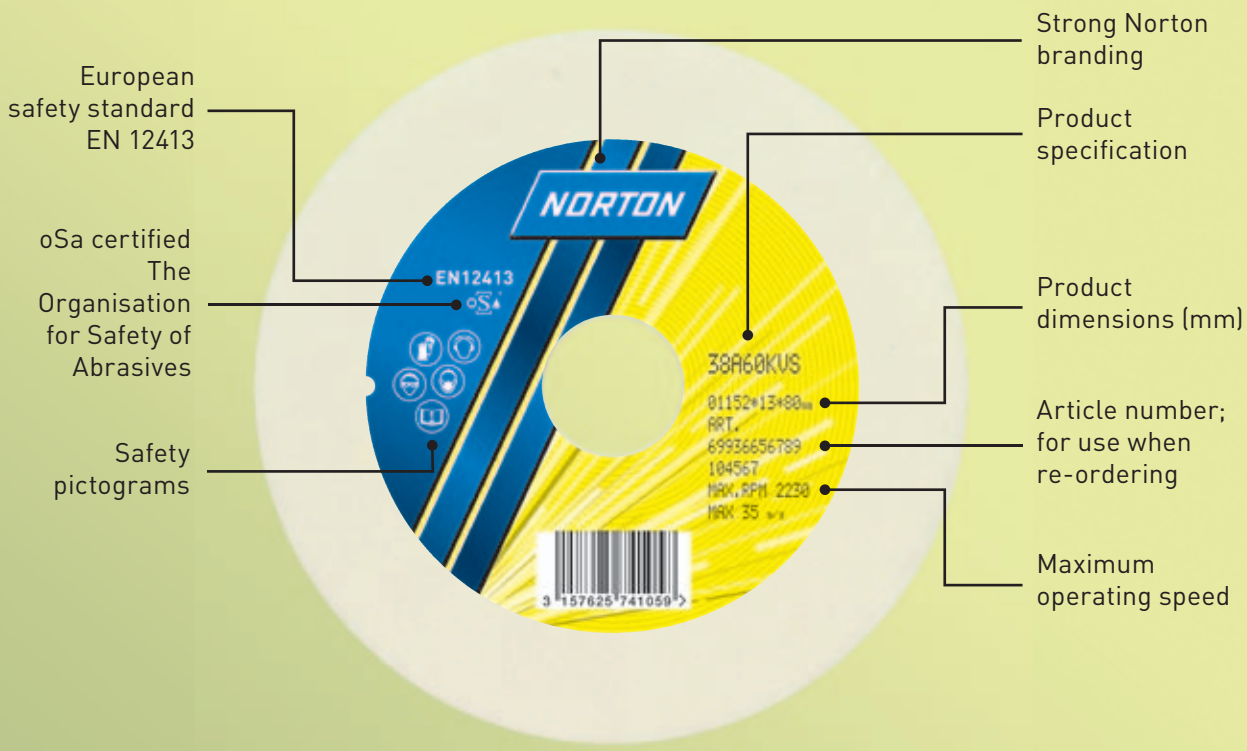
INTRODUCTION

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

METAL PRECISION GRINDING WHEELS

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	BENEFITS
Engineered ceramic grain shape and chemistry with new bond technology.	Versatile in all low, medium and high force applications
A perfect blend between sharpness (free cutting) and toughness (life)	30% to 100% higher metal removal rate >15% lower threshold power

BEST

5SG®

Type 01

FEATURES	BENEFITS
Very high concentration of SG® ceramic aluminium oxide abrasive	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
High concentration of SG® ceramic aluminum oxide abrasive	Very good cutting capability
Unique, self sharpening, microcrystalline structure	High removal rate & extended wheel life Suitable for very hard steels

BETTER

IPA VORTEX™ TECHNOLOGY

Type 01

VORTEX technology

FEATURES	BENEFITS
High performance engineered alumina grain	Very high metal removal rates, resulting in reduced cycle times
High porosity & permeability for maximum coolant diffusion	Improved part quality thanks to reduced heat generation
Optimal grain spacing for improved chip clearance & reduced friction	Increase wheel life Consistent grinding performance Extremely cool cutting action promoting burn free results

1TGP

Type 01

FEATURES	BENEFITS
High performance SG® ceramic aluminium oxide abrasive	Blend of premium TG grain with pink alumina
Harder & sharper than conventional abrasive grains	Extremely high removal rate & wheel life
Unique, self sharpening, microcrystalline structure	Effective when productivity is the primary concern
Elongated grain shape	Suitable for medium to high power & stiff machines

METAL PRECISION GRINDING WHEELS

BETTER

SGB®

Type 01 — Type 05

FEATURES	BENEFITS
Medium concentration of SG® ceramic aluminum oxide	Good cutting capability
Harder & sharper than conventional abrasive grains	Suitable for low to medium power machines Very versatile on a wide variety of steels

38A

Type 01 — Type 05

FEATURES	BENEFITS
High purity white aluminium oxide abrasive	Cool & burn free cutting
Friable	Ideal for heat-sensitive applications with light to moderate feed rates

GOOD

86A

Type 01 — Type 05

FEATURES	BENEFITS
Highly refined pink aluminium oxide abrasive	Very versatile
Tougher abrasive than pure white aluminium oxide	Reduced dress frequency
Contains a small portion of chromium oxide	

19A

Type 01

FEATURES	BENEFITS
A blend of A & 38A abrasives	Very versatile. For use on a wide variety of steels
Primarily used in saw grinding applications	Good yield, good removal rate Good balance between cut rate & form holding ability

57A

Type 01

FEATURES	BENEFITS
Semi-pure brown fused aluminium oxide abrasive	For use on steel & steel alloys
High durability	Versatile, durable, & free cutting Economical Ideal for general purpose applications

STRAIGHT WHEELS

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION BEST BEST		BETTER		GOOD	
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**				
25x25x8	13	12	05	45	10	5NQ 60 LVQN	662532**44886**				
	13	10	05	45	10	5NQ 80 JVQN	662532**44887**	SGB 60 KVX	699366**81795**		
32x20x10	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 BEST	BEST	BETTER		GOOD	
Type 01			Type 05								
50x40x10	25	20	05	45	10					86A 60 KVTECH	6625304**9914***
50x40x12,7	25	20	05	45	10	5NQ 60 KVQN	6625324**4892**	38A 60 LVS	699366**21569***		
50x40x13	25	20	05	45	10	5NQ 80 IVQN	6625324**4893**				
50x40x16	25	20	05	45	10	5NQ 60 KVQN	6625324**4894**			86A 60 KVTECH	6625304**9929***
63x10x20			01	45	10			38A 60 NVS	6625304**0376**		
63x40x12,7	32	20	05	45	10	5NQ 80 IVQN	6625324**4895**	38A 60 LVS	699366**21565**		
65x50x16	25	25	05	45	10			SGB 60 JVX	699366**76211**		
70x7,1x17			01	45	10	3NQ 60 HVQN	6625326**2413**				
76x32x20	42	16	05	45	10	5NQ 60 JVQN	6625324**4896**				
80x10x32			01	45	10			38A 60 LVS	6625304**0241***		
100x6x32			01	45	2			38A 60 LVS	6625304**0244**		
100x10x32			01	45	2	3SG 60 KVX	6625304**0246**	38A 60 LVS	6625304**0404**		
100x13x32			01	45	2			SGB 60 KVX	6625304**9862***		
			01	45	2			38A 60 LVS	6625304**0409**		
100x16x32			01	45	2	3SG 46 KVX	6625304**0283***				
100x20x32			01	45	2			38A 46 KVS	6625305**4532***		
			01	45	2			38A 60 KVS	6625305**1062***		
			01	45	2			38A 60 LVS	6625304**0413**		
100x50x32	60	25	05	45	2	5NQ 60 LVQN	6625326**2024***				
125x6x32			01	45	2	3SG 60 LVX	6625305**4862**	38A 60 LVS	6625304**0440**		
			01	45	2			38A 60 NVS	699366**75721***		
125x8x32			01	45	2			38A 60 LVS	6625304**0443***		
125x10x32			01	45	2			38A 46 JVS	6625304**0441***		
			01	45	2			38A 60 KVS	6625305**1063***		
			01	45	2			38A 60 LVS	699366**75731**		
			01	45	2			38A 80 LVS	6625304**0254***		
			01	45	2			38A 120 JVS	6625304**0449***		
125x13x32			01	45	2	3SG 60 JVX	6625304**0290**	38A 100 JVS	6625304**0257**		
125x16x32			01	45	2			38A 60 MVS	6625304**0237**		
125x20x32			01	45	2	3SG 60 JVX	6625304**0255***	SGB 60 LVX	6625304**0286***		
			01	45	2			38A 60 KVS	6625304**0620**		
			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

NORTON SAINT-GOBAIN

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION BEST BEST		BETTER		GOOD	
Type 01			Type 01F								
150x4x32			01	63	6					19A 60 MVS MTVS	699366**74920**
			01	63	6					19A 60 OVS MDVS	699366**75946**
150x6x20			01F	45	6					86A 80 OVS	699366**86760***
150x6x32			01	45	2	3SG 60 LVX	662530**55040**	SGB 80 LVX	662530**49867***		
			01	45	2	3SG 80 LVX	662530**54873***	38A 80 NVS	699366**41572***		
			01	45	2			38A 120 JVS	699366**75746***		
			01	45	2			38A 80 KVS	662530**51068***		
			01F	63	6					19A 60 MVS MTVS	699366**75964**
			01F	63	6					19A 60 OVS MDVS	699366**75963***
150x6x38			01	45	2			SGB 60 KVX	662530**49900**		
150x8x20			01F	45	6					86A 80 OVS	699366**86743***
150x8x32			01	45	2	3SG 60 JVX	662530**55041**	38A 60 LVS	699366**75743**		
			01	45	2			38A 80 MVS	662530**50388***		
			01	45	2			38A 120 JVS	699366**75748**		
			01F	63	6	3SG 80 NVX	662530**52706***	38A 60 MVS T6	699366**58071***	19A 60 NVS MTVS	662530**51097***
150x10x32			01	45	2	3NQ 60 LVQN	662532**62029***	SGB 60 KVX	662530**49871**		
			01	45	2	5SG 60 KVX	699366**40331***	SGB 100 JVX	662530**49894**		
			01	45	2	3SG 60 LVX	662530**50280**	38A 46 KVS	662530**51072***		
			01	45	2			38A 46 MVS	662530**50261***		
			01	45	2			38A 60 JVS	699366**74921**		
			01	45	2			38A 60 KVS	662530**51070**		
			01	45	2			38A 60 LVS	699366**75744**		
			01	45	2			38A 60 MVS	699366**41112**		
			01	45	2			38A 80 KVS	662530**51071***		
			01	45	2			38A 80 MVS	662530**50373**		
			01F	63	6					19A 60 OVS	662530**50201**
			01	45	2			38A 100 MVS	662530**50371***		
			01	45	2			38A 120 JVS	699366**75749**		
150x13x32			01	45	2	5SG 60 KVX	662530**54864***	38A 46 HVS	699366**75753***		
			01	45	2	3SG 46 HVX	662530**54863**	38A 46 LVS	699366**75754**		
			01	45	2	3SG 60 LVX	662530**50142**	38A 60 IVS	699366**75756**		
			01	45	2			38A 60 NVS	699366**75758**		
			01	45	2			38A 80 LVS	699366**75759**		
			01	45	2			38A 120 JVS	699366**75760**		
150x16x32			01	45	2	5SG 60 KVX	662530**54866***	38A 46 HVS	699366**75761**	86A 46 G12VXP	662530**50296***
			01	45	2	3SG 60 H12VXP	699366**77177**	38A 46 LVS	699366**75763**		
			01	45	2	3SG 60 LVX	662530**50367**	38A 46 NVS	699366**75762**		
			01	45	2			38A 60 LVS	699366**75764**		
			01	45	2			38A 80 LVS	699366**75767**		

* 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 BEST BEST		BETTER		GOOD	
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**		
			01	45	2			38A 100 JVS	662435**70493**		
150x25x32			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 BEST	BEST	BETTER		GOOD	
Type 01			Type 01F								
180x13x32			01	45	2	3NQ 46 JVQN	662532**62031**	1TGP 60 H12VXP	699366**76106**		
			01	45	2	3SG 46 JVX	662530**54876**	38A 46 HVS	699366**75798**		
			01	45	2	3SG 80 JVX	662530**54892**	SGB 60 JVX	699366**39148**		
			01	45	2	3SG 120 JVX	662530**54874**	38A 60 LVS	699366**75797**		
			01	45	2			SGB 80 JVX	699366**39149**		
			01	45	2			38A 80 LVS	699366**75801**		
			01	45	2			38A 120 JVS	699366**75802**		
180x16x32			01	45	2	3SG 46 HVX	662530**54882**	SGB 70 G12VXP	699366**39169**		
			01	45	2			38A 46 HVS	699366**75804***		
			01	45	2			38A 60 KVS	662530**50453**	86A 70 G12VXP	662530**50358**
180x20x32			01	45	2	3SG 46 HVX	662530**54883**	SGB 46 H12VXP	699366**38723**		
			01	45	2	3SG 60 I12VXP	662530**50166***	38A 46 HVS	662530**50454***		
			01	45	2			SGB 60 H10VXP	699366**39170**		
			01	45	2			38A 46 JVS	699366**93706**		
			01	45	2			SGB 60 KVX	662530**49878**		
			01	45	2			38A 60 JVS	699366**75810**		
			01	45	2			38A 60 MVS	662530**50273**		
180x25x32			01	45	2			38A 60 KVS	662530**50365***		
			01	45	2			38A 60 LVS	699366**75812**		
180x25x51			01	45	2			38A 46 NVS	699366**40967***		
			01	45	2			38A 60 MVS	699366**41085***		
200x4x32			01	63	6					19A 60 OVS MDVS	699366**75986**
200x6x32			01	45	2	3SG 60 LVX	699366**39434***	SGB 120 JVX	699366**77029**		
			01	45	2			38A 60 MVS	662530**50455**		
			01	45	2			38A 80 NVS	699366**39662**		
			01	63	6					19A 60 MVS MTVS	699366**75988**
			01	63	6					19A 60 OVS MDVS	699366**75987***
200x8x20			01F	45	6			38A 60 NVS	699366**88291***		
200x8x32			01	63	6			38A 60 MVS T6	699366**58078***	19A 54 OVS MDVS	699366**75989**
			01	63	6					19A 60 MVS MTVS	699366**75990**

* 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 BEST BEST		BETTER		GOOD	
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**
			01	63	6					19A 60 MVS MTVS	699366**75992**
			01F	63	6			38A 54 OVS	699366**67264***		
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***
			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 H12VQNP	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**		
			01	45	2			38A 80 KVS	662530**51080**		
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 BEST	BEST	BETTER		GOOD	
Type 01											
200x20x50,8			01	45	2	5NQ 46 G12VQNP	662532**61978**	38A 46 JVS	699366**75832**		
			01	45	2	3NQ 60 H12VQNP	662532**57432***	38A 46 KVS	662530**50103***		
			01	45	2	3NQ 60 JVQN	662532**62001**	38A 60 HVS	699366**75834**		
			01	45	2	3NQ 46 JVQN	662532**61996***	38A 60 KVS	662530**49967**		
			01	45	2	3NQ 46 KVQN	662532**61991**	38A 100 JVS	699366**39795***		
			01	45	2	3SG 46 I12VXP	662530**52711**				
			01	45	2	3SG 60 H12VXP	662435**93696**				
			01	45	2	3SG 80 HVX	699366**76399***				
200x20x51			01	45	2	5NQ 46 F12VQNP	662532**61993**	SGB 60 JVX	699366**39251**		
			01	45	2			38A 46 KVS	662530**51084***		
			01	45	2			38A 60 KVS	662530**51085***		
200x20x76			01	45	2	3SG 46 IVX	662530**54888**			86A 46 IVTECH	662530**50250***
200x20x76,2			01	45	2	3SG 46 HVX	662530**50156**	38A 46 HVS	699366**41521**		
			01	45	2	3SG 60 IVX	662530**50157***	38A 60 LVS	699366**75836**		
200x25x32			01	45	2	3NQ 60 JVQN	662532**62033***	SGB 46 GV12XP	662530**51385***		
			01	45	2	3SG 60 JVX	662530**54889**	38A 46 LVS	699366**27127**		
			01	45	2			SGB 60 KVX	662530**49888**		
			01	45	2			38A 46 NVS	699366**41406**		
			01	45	2			38A 60 LVS	699366**41407**		
			01	45	2			38A 60 MVS	662530**51079**		
			01	45	2			38A 80 KVS	662530**51082**		
			01	45	2			38A 80 NVS	699366**75847**		
			01	45	2			38A 100 JVS	662435**70496**		
200x25x50,8			01	45	2			SGB 46 KVX	662530**50183**		
			01	45	2			38A 46 HVS	699366**75840**		
			01	45	2			38A 54 I12VXP	699366**81147***		
200x25x51			01	45	2			SGB 46 HVX	662530**49855***		
			01	45	2			38A 46 KVS	662530**51086**		
			01	45	2			38A 60 KVS	662530**51089***		
			01	45	2			38A 60 LVS	699366**40125**		
200x25x76,2			01	45	2			38A 46 HVS	699366**41562***		
			01	45	2			38A 46 KVS	662530**49968***		
			01	45	2			38A 46 NVS	699366**75841**		
			01	45	2			38A 60 MVS	662530**49969***		
			01	45	2			38A 60 NVS	699366**75846**		
200x32x32			01	45	2			SGB 60 KVX	662530**49892**		
			01	45	2			38A 46 MVS	662530**52712**		
			01	45	2			38A 60 LVS	699366**75855**		
			01	45	2			38A 60 NVS	699366**67155**		

* 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 BEST BEST		BETTER		GOOD	
Type 01			Type 01F								
200x32x51			01	45	2			38A 60 LVS	699366**40245**		
200x32x76,2			01	45	2			38A 46 IVS	662530**52713***		
			01	45	2			38A 46 NVS	699366**75849**		
			01	45	2			38A 60 MVS	662530**49972**		
			01	45	2			38A 60 NVS	699366**75854**		
200x35x32			01	45	2			SGB 46 KVX	662530**49859***		
200x40x50,8			01	45	2			SGB 46 H12VXP	699366**76377***		
			01	45	2			38A 46 IVS	699366**81707**		
225x5x60			01	45	2			38A 54 JVS	699366**75859**		
225x20x51			01	45	2	3NQ 60 H12VQNP	662532**62058***	SGB 60 HVX	699366**40943**		
			01	45	2	3SG 60 H12VXP	699366**76452**	38A 46 IVS	699366**40871**		
225x25x51			01	45	2	3SG 54 F12VXP	699366**76380***				
225x25x76,2			01	45	2	3SG 46 HVX	662435**70377**				
225x32x76,2			01	45	2	3SG 46 HVX	662530**55043**				
			01	45	2	3SG 60 H12VXP	662435**93705**				
230x6x50,8			01	45	2			38A 100 JVS	699366**39629**		
230x10x32			01	63	6			38A 60 MVS T6	699366**75929**		
230x10x50,8			01	45	2			38A 100 JVS	699366**40665***		
230x13x32			01	63	6			38A 60 MVS T6	699366**75930**		
230x20x50,8			01	45	2	3SG 60 IVX	662530**50240***	38A 60 JVS	699366**39549***		
230x25x50,8			01	45	2			38A 60 HVS	699366**39829**		
250x10x32			01	45	1			38A 60 KVS	662530**49904***		
			01	63	6			38A 60 MVS T6	699366**75931**	86A 54 KVS M6	662530**50146***
			01	63	6					86A 54 OVS D6	662530**50139**
			01	63	6					19A 54 OVS MDVS	699366**75998***
			01	63	6					19A 60 MVS MTVS	699366**75999**
			01F	45	6			38A 46 MVS	662530**50218***		
			01F	45	6			38A 54 OVS	699366**67265***		
250x13x32			01	63	6			38A 60 MVS T6	699366**75932**	86A 54 KVS M6	662530**50123**
			01	63	6					86A 54 OVS D6	662530**50128**
			01	63	6					19A 60 MVS MTVS	699366**76001**
250x13x76,2			01	45	1	3SG 60 KVX	699366**23734**				
250x20x32			01	45	1			38A 46 KVS	662530**49918***		
			01	45	1			38A 60 KVS	662530**49920***		

* 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 BEST BEST		BETTER		GOOD	
Type 01											
250x20x76,2			01	45	1	5NQ 46 G12VQNP	662532**61918***	38A 60 LVS	699366**75862**		
			01	45	1	3NQ 46 JVQN	662532**61919**				
			01	45	1	3NQ 60 JVQN	662532**61990**				
250x25x32			01	45	1	3SG 60 HVX	662530**50363***	SGB 60 KVX	662530**50160***	86A 46 IVTECH	662530**50275***
			01	45	1			38A 60 JVS	662530**51098***	86A 60 IVTECH	662530**50390***
			01	45	1			38A 60 KVS	662530**49930***		
			01	45	1			38A 60 LVS	662530**49927**		
			01	45	1			38A 60 MVS	662530**51380***		
			01	45	1			38A 80 KVS	662530**49932***		
250x25x50,8			01	45	1	3SG 46 KVX	662530**50107**	38A 46 LVS	699366**23714***		
250x25x51			01	45	1			38A 46 IVS	699366**40283***		
			01	45	1			38A 46 KVS	662530**49936***		
			01	45	1			38A 60 KVS	662530**49939***		
250x25x76			01	45	1	5NQ 46 G12VQNP	662532**62010**	38A 46 KVS	662530**49902***		
			01	45	1			38A 60 KVS	662530**49905***		
			01	45	1			38A 60 LVS	699366**78984***		
			01	45	1			38A 80 KVS	662530**49907***		
250x25x76,2			01	45	1	3SG 46 KVX	699366**23668**	IPA 60 EH17VTX	662530**52716**		
			01	45	1	3SG 54 F12VXP	699366**76054**	38A 46 G12VXP	662530**50292***		
			01	45	1	3SG 60 KVX	662530**55045**	IPA 60 XH17VTX	662530**52721**		
			01	45	1			38A 46 IVS	662530**50369**		
			01	45	1			SGB 46 HVX	662435**70378***		
			01	45	1			38A 46 LVS	699366**23691**		
			01	45	1			SGB 46 KVX	662530**50124**		
			01	45	1			38A 60 IVS	662530**50101**		
			01	45	1			SGB 60 KVX	662530**50126**		
			01	45	1			38A 60 LVS	699366**23733**		
			01	45	1			SGB 70 H12VXP	699366**23901**		
			01	45	1			38A 80 LVS	699366**23651**		
250x25x120,6			01	45	1			38A 60 LVS	699366**23688***		
250x32x32			01	45	1			SGB 60 KVX	662530**50162***		
			01	45	1			38A 46 KVS	662530**49909***		
			01	45	1			38A 60 KVS	662530**49911**		
			01	45	1			38A 60 NVS	699366**67158**		
			01	45	1			38A 80 KVS	662530**49915**		
250x32x76			01	45	1			38A 60 KVS	662530**51102***		
250x32x76,2			01	45	1	3NQ 46 HVQN	662532**62034***				
			01	45	1	3SG 46 HVX	662530**55046**				

* Made-to-order

STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION BEST	BEST	BETTER		GOOD	
Type 01											
250x40x32			01	45	1			38A 60 KVS	662530**51093***		
250x40x51			01	45	1			38A 60 KVS	662530**51095***		
250x40x76			01	45	1			38A 46 KVS	662530**51104***		
250x40x76,2			01	45	1	3NQ 46 G12VQNP	662532**62056***	SGB 46 I10VXP	662530**50205***		
			01	45	1	3SG 46 G12VXP	699366**76056**	38A 46 I12VXP	699366**81148***		
			01	45	1	3SG 46 IVX	662530**50259**	38A 46 KVS	662530**50186**		
250x50x76,2			01	45	1			SGB 46 KVX	662530**50129***		
			01	45	1			38A 46 LVS	699366**23717***		
300x13x127			01	45	1			SGB 60 KVX	662530**50131**		
			01	45	1			38A 60 LVS	699366**23652***		
300x20x127			01	45	1			38A 60 LVS	699366**75872**		
300x25x127			01	45	1	3NQ 60 KVQN	662532**62040**	SGB 60 KVX	662530**50132**	57A 60 LVS	662530**50370***
			01	45	1	3SG 46 KVX	662530**55050**	38A 46 LVS	699366**23601**		
			01	45	1	3SG 60 H12VXP	699366**77184**	SGB 80 I12VXP	662530**50121**		
			01	45	1	3SG 60 KVX	662530**55052**	38A 60 KVS	662530**50105**		
			01	45	1			38A 80 LVS	699366**23648**		
300x32x32			01	45	1			38A 46 NVS	699366**75879**		
			01	45	1			38A 60 KVS	662530**51100**		
			01	45	1			38A 60 NVS	699366**39618**		
300x32x76,2			01	45	1			38A 46 HVS	699366**75880**		
300x32x127			01	45	1	3SG 60 KVX	662530**55872**	IPA 60 EH20VTX	662530**49858**		
			01	45	1			38A 46 HVS	699366**75883**		
			01	45	1			IPA 60 XH20VTX	662530**49861**		
			01	45	1			38A 60 LVS	699366**75884**		
			01	45	1			SGB 46 F12VXP	699366**76705**		
			01	45	1			SGB 46 HVX	662435**70380***		
			01	45	1			SGB 46 IVX	662530**50175***		
			01	45	1			SGB 60 KVX	699366**76386**		
300x40x51			01	45	1			38A 46 KVS	662530**51096***		
			01	45	1			38A 60 KVS	662530**49944***		
300x40x76			01	45	1			38A 46 KVS	662530**49948**		
			01	45	1			38A 60 KVS	662530**49953**		
300x40x76,2			01	45	1			IPA 60 EH20VTX	662530**49863**		
			01	45	1			IPA 60 XH20VTX	662530**49866**		

* Made-to-order

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STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION BEST BEST		BETTER		GOOD	
Type 01											
300x40x127			01	45	1	3NQ 60 KVQN	662532**62046***	SGB 46 G12VXP	699366**39946**	86A 54 G12VXP	662530**51533***
			01	45	1	3SG 46 HVX	662530**55893**	38A 46 IVS	662530**49975***		
			01	45	1	3SG 60 KVX	662530**55053**	SGB 60 KVX	662530**50179***		
			01	45	1			38A 60 LVS	699366**75891**		
300x50x76,2			01	45	1			38A 46 IVS	662530**50251**		
	160	10	07	45	1	3NQ 46 HVQN	662532**62412***				
300x50x127			01	45	1			IPA 60 EH20VTX	662530**49869**		
			01	45	1			38A 46 JVS	699366**23649**		
			01	45	1			IPA 60 XH20VTX	662530**49872**		
			01	45	1			38A 60 KVS	662530**54524**		
			01	45	1			SGB 46 G12VXP	662435**70384**		
355x25x127			01	45	1	3SG 60 LVX	662530**55895**	IPA 60 EH20VTX	662530**49873**		
			01	45	1			38A 60 LVS	699366**75901**		
			01	45	1			IPA 60 XH20VTX	662530**49875**		
			01	45	1			SGB 46 JVX	662530**50118***		
			01	45	1			SGB 60 LVX	662530**50135**		
355x30x127			01	45	1			SGB 46 G11VXP	662530**50177***		
355x32x127			01	45	1	3SG 60 KVX	662530**55902**	SGB 54 E12VXP	699366**76713**		
			01	45	1			38A 60 LVS	699366**75903**		
355x40x51			01	45	1			38A 46 KVS	662530**51373***		
			01	45	1			38A 60 KVS	662530**49963***		
355x40x127			01	45	1	3NQ 46 HVQN	662532**62048***	IPA 60 EH20VTX	662530**49877**		
			01	45	1	3SG 46 HVX	662530**55056**	38A 46 JVS	699366**23753**		
			01	45	1	3SG 60 LVX	662530**55057**	IPA 60 XH20VTX	662530**49879**		
			01	45	1			38A 60 LVS	699366**75908**		
			01	45	1			SGB 46 G12VXP	662530**49901**		
			01	45	1			SGB 46 JVX	662530**50117**		
			01	45	1			SGB 80 I12VXP	662530**55058***		
355x50x51			01	45	1			38A 46 KVS	662530**49941***		
			01	45	1			38A 60 KVS	662530**51101***		
355x50x127			01	45	1	3NQ 46 HVQN	662532**62049**	IPA 60 EH20VTX	662530**49880**		
			01	45	1	3NQ 46 F12VQNP	662532**62055***	38A 46 IVS	699366**75913**		
			01	45	1	3SG 46 F12VXP	699366**23900**	IPA 60 XH20VTX	662530**49883**		
			01	45	1	3SG 46 HVX	662530**55059**	38A 46 I11VXP	662530**50212**		
			01	45	1	3SG 46 JVX	662530**55063**	SGB 46 H11VXP	662530**54500**		
			01	45	1			38A 46 KVS	662530**51108**		
			01	45	1			SGB 46 J12VX	699366**23781**		
			01	45	1			38A 60 KVS	662530**49951**		
			01	45	1			SGB 54 G12VXP	662530**49857**		
			01	45	1			38A 80 KVS	662530**49955***		
			01	45	1			SGB 60 KVX	662530**50138**		

* Made-to-order

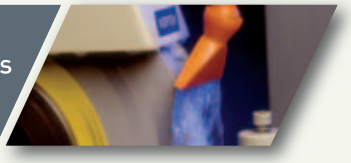
STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION BEST	BEST	BETTER		GOOD	
Type 01											
355x63x127			01	45	1			38A 46 KVS	662530**49957***		
			01	45	1			38A 60 KVS	662530**49959***		
406x25x127			01	45	1	3SG 60 LVX	662530**55083**	SGB 60 KVX	69936**44046**		
			01	45	1			38A 60 LVS	69936**94018**		
406x32x127			01	45	1			38A 60 LVS	662530**49841**		
406x40x127			01	45	1	3SG 60 LVX	662530**55086**	SGB 60 KVX	662530**49843**		
			01	45	1			38A 46 JVS	66243**66541**		
			01	45	1			38A 46 KVS	662530**55066***		
			01	45	1			38A 60 LVS	66243**66542**		
			01	45	1			38A 80 KVS	662530**55069***		
406x50x127			01	45	1	5NQ 46 G12VQNP	662532**60614***	IPA 60 EH20VTX	662530**49884**		
			01	45	1	3NQ 46 HVQN	662532**58471***	38A 46 I12VXP	662530**54508**		
			01	45	1	5SG 46 G12VXP	66243**68188**	IPA 60 XH20VTX	662530**49885***		
			01	45	1	3SG 46 HVX	662530**55912**	38A 46 JVS	66243**66547***		
			01	45	1	3SG 54 F12VXP	662530**54506**	SGB 46 G12VXP	66243**68401**		
			01	45	1			38A 60 LVS	66243**66546***		
			01	45	1			SGB 46 HVX	66243**48363**		
			01	45	1			SGB 60 KVX	662530**55072**		
406x50x203			01	45	1			38A 46 KVS	662530**55078***		
			01	45	1			38A 60 KVS	662530**55079***		
406x60x127			01	45	1			38A 60 LVS	662530**49839**		
406x76x127	215/215	12/25	07	45	1	3NQ 54 E12VQNP	662532**60644***				
457x50x127			01	45	1			38A 60 LVS	66243**66558**		

* 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

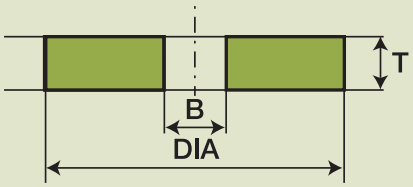
STRAIGHT WHEELS (CONTINUED)

DIM DIAxTxB (mm)	P (mm)	F (mm)	SHAPE	MOS (M/S)	PK QTY	INNOVATION BEST		BETTER		GOOD	
						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***				
			01	45	1	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***

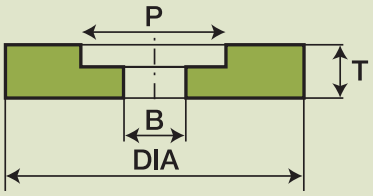
* Made-to-order

SHAPE KEY

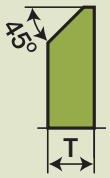
Type 01



Type 05



Type 01F



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
100% high performance ceramic aluminium oxide grain	Extremely sharp ceramic grain with excellent cutting capability
High porosity and permeability, which maximises the amount of coolant in the grinding zone	Very high metal removal rates – 2 to 3 times more than standard abrasives
Optimum grain spacing	Improved form holding and reduced wheel dressing

BETTER

3TGP

FEATURES	BENEFITS
High performance SG ceramic aluminium oxide abrasive	Blend of premium TG grain with pink alumina
Harder & Sharper than conventional abrasive grains	High removal rate & wheel life
Unique, self sharpening, microcrystalline structure	Suitable for medium to high power & stiff machines

KEY PROGRAM FEATURES

- Fast Track Service; 2 weeks leadtime

NORTON SAINT-GOBAIN

GOOD

27AH

FEATURES	BENEFITS
Monocrystalline grain	Consistent grinding performance
Tougher abrasive than pure white aluminium oxide	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	003103**21581**
	350x104x160	27AH100K8V4181	003103**21581**
	300x125x160	27AH100K8V4181	003103**77385**
	275x125x160	27AH100K8V4181	003103**77385**
GLEASON	350x104x160	27AH100K8V4181	003103**21581**
	240x125x120	27AH100K8V4181	003103**77385**
OKAMOTO	350x104x160	27AH100K8V4181	003103**21581**

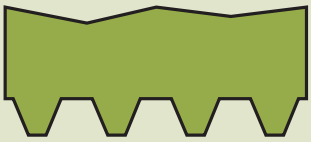
To proceed correctly customer's order, we would require indication of module number, angle, number of starts and/or drawing.

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
Highest purity green silicon carbide abrasive	Ideal for precision grinding & sharpening applications on metal carbide
Harder & more friable than aluminium oxide abrasive	

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	699366**75639**
	01	45	2	39C 60 KVS	699366**41424**
	01	45	2	39C 80 KVS	662530**50276**
	01	45	2	39C 100 JVS	662530**50375***
	01	45	2	39C 120 KVS	699366**41428**
200x25x76,2	01	45	2	39C 60 KVS	699366**75672**
	01	45	2	39C 80 LVS	699366**75673**
	01	45	2	39C 120 KVS	699366**75674**
200x32x32	01	45	2	39C 60 KVS	699366**40293**
	01	45	2	39C 80 KVS	699366**67106**
	01	45	2	39C 120 KVS	699366**75677**
200x32x51	01	45	2	39C 60 KVS	699366**41031**
200x32x76,2	01	45	2	39C 60 KVS	699366**75643**
	01	45	2	39C 80 KVS	699366**75644**
	01	45	2	39C 120 KVS	699366**75678**
225x25x32	01	45	2	39C 60 LVS	699366**67108***
225x32x32	01	45	2	39C 80 KVS	699366**67109***
250x13x32	01	45	1	39C 36 KV	699366**55917***
250x25x32	01	45	1	39C 60 KV	662530**49923***
	01	45	1	39C 60 LVS	699366**67111***
	01	45	1	39C 80 KV	662530**50477**
	01	45	1	39C 80 LVS	699366**75679**
250x25x76,2	01	45	1	39C 54 MVS	699366**23732**
	01	45	1	39C 100 KVS	699366**23643**
250x32x32	01	45	1	39C 60 KVS	699366**39837**
	01	45	1	39C 80 KVS	699366**40845**
300x25x127	01	45	1	39C 60 KVS	699366**23687**
	01	45	1	39C 80 JVS	699366**40343**
	01	45	1	39C 100 KVS	699366**23679***
300x32x127	01	45	1	39C 60 KVS	699366**93249**
300x40x32	01	45	1	39C 60 KVS	699366**39362**
	01	45	1	39C 80 KVS	699366**76387**
300x40x76	01	45	1	39C 90 KVS	699366**39836***
300x40x127	01	45	1	39C 46 KV	662530**50289***
	01	45	1	39C 60 KVS	699366**75684**
	01	45	1	39C 80 KVS	699366**75649**
355x32x127	01	45	1	39C 60 KVS	699366**75650**
	01	45	1	39C 80 KVS	699366**75651**
355x40x127	01	45	1	39C 60 KVS	699366**75685**
406x40x127	01	45	1	39C 80 KVS	662434**66414**

* 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

BENCH WHEELS

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

APPLICATIONS & MARKETS

- Sharpening
- Tool room

GOOD

A

Type 01

FEATURES	BENEFITS
Regular brown aluminium oxide abrasive	Very tough, suitable for grinding most types of steel & soft iron
Contains 3% titanium oxide	Good cost/performance compromise
Unique, self sharpening, microcrystalline structure	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 DIAxTxB(mm)	MOS (M/S)	PK QTY	GOOD	
			Type 01	
125x15x20	45	2	A 60 NVS	662530**50184**
125x20x32	45	2	A 36 PVS	699366**66907**
	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

NORTON SAINT-GOBAIN

STRAIGHT WHEELS (CONTINUED)

Type 01

DIM DIAxTxB(mm)	MOS (M/S)	PK QTY	GOOD	
150x25x32	45	2	A 36 PVS	69936**66914**
	45	2	A 36 QVS	66253**50265**
	45	2	A 46 NVS	69936**41370**
180x20x31,75	45	2	A 46 NVS	69936**23305***
180x20x32	45	2	A 46 NVS	69936**41372**
	45	2	A 60 NVS	69936**80380**
180x25x32	45	2	A 24 RVS	69936**66922***
	45	2	A 30 PVS	69936**39691**
	45	2	A 36 QVS	69936**66923***
	45	2	A 46 NVS	69936**75564**
	45	2	A 60 NVS	69936**76609**
200x20x32	45	2	A 24 RVS	69936**66926***
	45	2	A 30 PVS	69936**75566**
	45	2	A 36 QVS	69936**66928***
	45	2	A 46 NVS	69936**41375**
	45	2	A 60 NVS	69936**66929**
200x25x32	45	2	A 24 RVS	69936**76374**
	45	2	A 30 PVS	69936**41382**
	45	2	A 36 PVS	69936**41383**
	45	2	A 36 QVS	66253**50267**
	45	2	A 46 MVS	66253**50271**
	45	2	A 60 NVS	69936**93708**
200x25x76,2	45	2	A 30 PVS	69936**75567**
	45	2	A 46 NVS	69936**75568**
	45	2	A 60 NVS	69936**75569**
200x32x32	45	2	A 24 RVS	69936**66930***
	45	2	A 36 PVS	69936**66932**
	45	2	A 46 NVS	69936**40814**
	45	2	A 60 NVS	69936**90246**
200x32x51	45	2	A 60 NVS	69936**40748**
200x32x76,2	45	2	A 46 NVS	66243**93707**
225x32x32	45	2	A 36 QVS	69936**66938**
	45	2	A 60 NVS	69936**94426***
250x25x32	45	1	A 36 PVS	69936**66940**
	45	1	A 46 NVS	69936**41386**
250x32x32	45	1	A 24 QVS	69936**66942**
	45	1	A 30 PVS	69936**75572**
	45	1	A 36 PVS	69936**66943**
	45	1	A 46 NVS	69936**40194**
	45	1	A 60 MVS	69936**42130**

Type 01

DIM DIAxTxB(mm)	MOS (M/S)	PK QTY	GOOD	
250x40x32	45	1	A 36 QVS	69936**66945**
	45	1	A 60 NVS	69936**66946**
300x32x32	45	1	A 24 QVS	69936**75574**
	45	1	A 36 OVS	69936**75575**
	45	1	A 60 KVS	66253**51091***
300x32x50,8	45	1	A 24 QVS	69936**75577**
	45	1	A 46 NVS	69936**75578**
300x32x127	45	1	A 24 QVS	69936**75579**
	45	1	A 36 OVS	69936**75580**
	45	1	A 46 NVS	69936**75581**
300x40x30	45	1	A 36 PVS	69936**81734**
	45	1	A 60 NVS	69936**81735**
300x40x32	45	1	A 46 NVS	69936**39682**
	45	1	A 60 MVS	69936**40221**
300x40x50	45	1	A 90 OVS	69936**40787***
300x40x50,8	45	1	A 60 NVS	69936**23670***
300x40x51	45	1	A 24 PVS	66253**51090***
	45	1	A 60 KVS	66253**51092***
300x40x76	45	1	A 60 NVS	69936**39611***
300x40x76,2	45	1	A 36 OVS	69936**75607**
300x40x127	45	1	A 24 QVS	69936**75583**
	45	1	A 36 OVS	69936**75584**
	45	1	A 46 NVS	69936**75585**
300x50x32	45	1	A 24 QVS	69936**39767**
	45	1	A 36 OVS	69936**81823**
	45	1	A 46 NVS	66243**70460***
	45	1	A 60 NVS	66243**70484**
350x40x35	45	1	A 36 QVS	69936**81739**
350x50x35	45	1	A 24 RVS	69936**81743***
	45	1	A 36 QVS	69936**81741***
	45	1	A 60 NVS	69936**81742**
355x40x127	45	1	A 24 QVS	69936**75586**
	45	1	A 46 NVS	69936**75587**
355x45x127	45	1	A 36 OVS	69936**76013**
	45	1	A 46 NVS	69936**75910**
355x50x127	45	1	A 24 QVS	69936**75588**
	45	1	A 36 OVS	69936**75589**
	45	1	A 46 NVS	69936**75590**
406x40x50,8	45	1	A 24 QVS	69936**94363***
406x50x50	45	1	A 24 QVS	66243**48177**
406x50x127	45	1	A 24 QVS	66243**67496**
	45	1	A 36 QVS	66243**67497**

* 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.

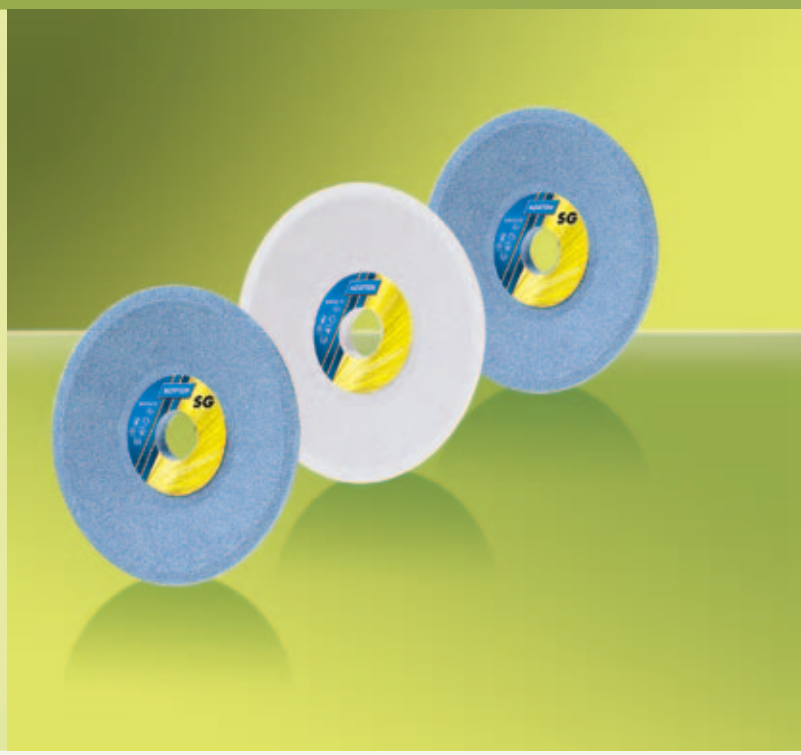
Dimensions Key: DIM = Dimensions, D = Diameter, T = Thickness, B = Bore

DISHES

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	BENEFITS
Engineered ceramic grain shape and chemistry with new bond technology.	Versatile in all low, medium and high force applications
A perfect blend between sharpness (free cutting) and toughness (life)	30% to 100% higher metal removal rate >15% lower threshold power

BEST

3SG®

Type 12

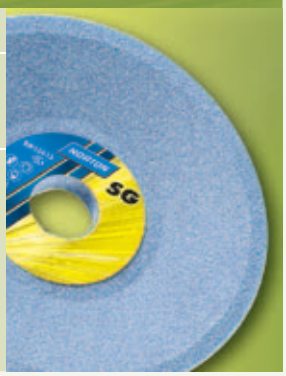
FEATURES	BENEFITS
High concentration of SG® ceramic aluminium oxide abrasive	Very high cutting capability
Unique, self sharpening, microcrystalline structure	High removal rate & extended wheel life Suitable for very hard steels

BETTER

SGB®

Type 12

FEATURES	BENEFITS
Medium concentration of SG® ceramic aluminium oxide abrasive	Good cutting capability
Harder & sharper than conventional abrasive grains	Suitable for low to medium power machines Very versatile, for use on a wide variety of steels



GOOD

38A

Type 12

FEATURES	BENEFITS
High purity white aluminium oxide abrasive	Cool & burn free cutting
Friable abrasive	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 BEST	BEST	BETTER		GOOD	
Type 12													
76x8x12,7	5	8	25	25	1	45	10					38A 80 MVS	699366**23916***
80x10x13	4	6	35	35	2,5	45	10					38A 60 LVS	699366**88738***
100x13x12,7	5	7	45	50	2,5	45	2					38A 60 KVS	699366**24605**
100x13x20	5	7	41	41	3,2	45	2	3NQ 60 KVQN	662532**62312***	SGB 60 LVX	699366**86659**	38A 60 KVS	699366**86186**
	5	7	41	41	3,2	45	2	3SG 60 KVX	662530**50236**			38A 120 MVS	699366**86189**
125x13x20	6	7	61	61	3,2	45	2	3NQ 60 KVQN	662532**62411**				
	6	7	61	61	3,2	45	2	3SG 60 JVX	699366**86768**			38A 60 KVS	699366**86192**
	6	7	61	61	3,2	45	2	3SG 60 KVX	662530**50242**				
150x13x20	7	9	86	86	3,2	45	2	3NQ 46 KVQN	662532**62311***			38A 60 KVS	699366**86199**
	7	9	86	86	3,2	45	2	3SG 46 KVX	662530**50143**				
	7	9	86	86	3,2	45	2	3SG 60 JVX	699366**86771**				
150x13x20	8	9	56	56	3,2	45	2	3SG 60 LVX	662530**50231**	SGB 46 LVX	699366**86732**	38A 60 NVS	699366**86818***
	8	9	56	56	3,2	45	2			SGB 60 LVX	699366**82791**		
150x13x32	7	9	86	86	3,2	45	2	3NQ 60 KVQN	662532**61916**			38A 46 KVS	699366**86194**
	7	9	86	86	3,2	45	2	3SG 46 KVX	662530**50238**			38A 60 KVS	699366**86198**
	7	9	86	86	3,2	45	2	3SG 60 KVX	662530**50239**			38A 120 JVS	699366**86204***
150x16x20	8	9	66	66	3,2	45	2	3SG 54 LVX	699366**86772***	SGB 60 KVX	662530**50256***	38A 60 KVS	699366**82252***
150x16x32	8	9	66	66	3,2	45	2	3SG 46 KVX	662530**50141***			38A 60 KVS	699366**88577***
	8	9	66	66	3,2	45	2	3SG 60 KVX	662530**50232***	SGB 60 KVX	662530**50245**		
180x16x32	9	10	96	96	3,2	45	2			SGB 60 KVX	662530**50247***		
180x20x32	9	11	70	70	3,2	45	2	3SG 54 KVX	662530**50234**	SGB 54 KVX	662530**50260**		
200x16x20	12	10	90	90	3,2	45	2					38A 46 JVS	699366**88749***
200x20x32	10	12	90	90	3,2	45	2			SGB 46 JVX	662530**50249**	38A 60 KVS	699366**86215**
	10	12	90	90	3,2	45	2			SGB 60 KVX	662530**50252**		
200x32x32	10	12	92	92	3,2	45	2			SGB 46 IVX	662530**50253**		

* Made-to-order

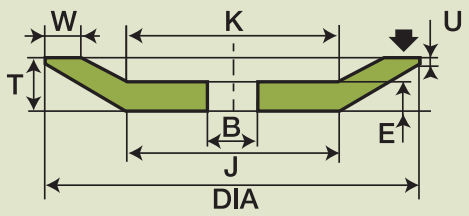
NON-FERROUS PRECISION

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

Type 12



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

CUPS

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	BENEFITS
Engineered ceramic grain shape and chemistry with new bond technology.	Versatile in all low, medium and high force applications
A perfect blend between sharpness (free cutting) and toughness (life)	30% to 100% higher metal removal rate >15% lower threshold power

BEST

5SG®

Type 06 | Type 11

FEATURES	BENEFITS
Very high concentration of SG® ceramic aluminium oxide abrasive	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
High concentration of SG® ceramic aluminium oxide abrasive	Very good cutting capability
Unique, self sharpening, microcrystalline structure	High removal rate & extended wheel life Suitable for very hard steels

BETTER

SGB®

Type 06 Type 11

FEATURES	BENEFITS
Medium concentration of ceramic aluminium oxide abrasive	Good cutting capability
Harder & sharper than conventional abrasive grains	Suitable for low to medium power machines Very versatile on a wide variety of steels

39C

Type 06

FEATURES	BENEFITS
Highest purity green silicon carbide abrasive	Ideal for precision grinding & sharpening applications on metal carbide & non-ferrous metals
Harder & more friable than aluminium oxide type abrasive	

GOOD

38A

Type 06 Type 11

FEATURES	BENEFITS
High purity white aluminium oxide abrasive	Cool & burn free cutting
Friable abrasive	Ideal for heat-sensitive applications with light to moderate feed rates

86A

Type 06 Type 11

FEATURES	BENEFITS
Highly refined pink aluminium oxide abrasive	Very versatile
Tougher abrasive than pure white aluminium oxide	Reduced dress frequency
Contains a small portion of chromium oxide	

METAL PRECISION

DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	INNOVATION BEST BEST		BETTER		GOOD	
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

NORTON SAINT-GOBAIN

METAL PRECISION (CONTINUED)

DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	INNOVATION BEST	BEST	BETTER		GOOD	
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 BEST BEST		BETTER		GOOD	
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

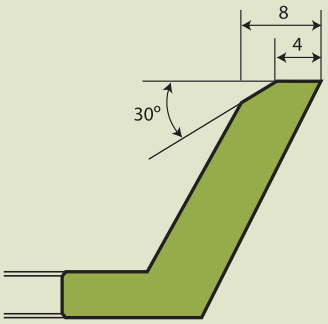
DIM DIAxTxB (mm)	W (mm)	E (mm)	MOS (M/S)	PK QTY	GOOD	
Type 06						
100x50x20	10	10	45	2	39C 80 KV	699366**68290**
	10	13	45	2	39C 80 JVS	699366**40131**
100x50x32	10	10	45	2	39C 60 JV	699366**68288**
125x63x32	25	16	45	2	39C 60 JV	699366**68305**
150x32x60	32	13	45	2	39C 80 JV	699366**68308***
200x40x76,2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

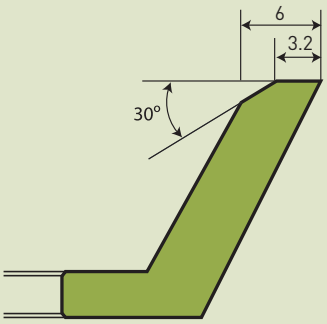
Dimensions Key: DIM = Dimensions, DIA = Diameter, T = Thickness, B = Bore, W = Rim Width, E = Back Thickness

SHAPE KEY

Type 11R



Type 11F



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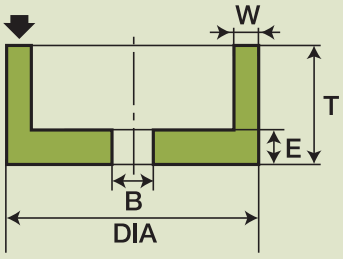

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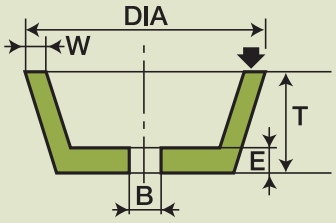


CYLINDERS

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	BENEFITS
Engineered ceramic grain shape and chemistry with new bond technology.	Versatile in all low, medium and high force applications
A perfect blend between sharpness (free cutting) and toughness (life)	30% to 100% higher metal removal rate >15% lower threshold power

BETTER

SGB®

Type 02

FEATURES	BENEFITS
Medium concentration of ceramic aluminium oxide abrasive	Good cutting capability
Harder & sharper than conventional abrasive grains	Suitable for low to medium power machines Very versatile, for use on a wide variety of steels

GOOD

38A

Type 02

FEATURES	BENEFITS
High purity white aluminium oxide abrasive	Cool and burn free cutting
Friable abrasive	Ideal for heat-sensitive applications with light to moderate feed rates

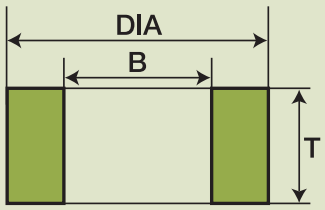
CYLINDERS

DIM DIAxTxB(mm)	PK QTY	MOS (M/S)	INNOVATION BEST		BETTER		GOOD	
			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

Type 02



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)

Type 41 — Type 42

FEATURES	BENEFITS
High concentration of zirconia oxide abrasive	Very long wheel life
Extremely tough aluminium oxide abrasive	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)

Type 41 — Type 42

FEATURES	BENEFITS
Medium concentration of zirconia oxide abrasive	Long wheel life
Extremely tough aluminium oxide abrasive	Good metal removal rate Versatile: suitable for most steels

BEST

XGP (TOROS)

Type 41

FEATURES	BENEFITS
Special combination of abrasive blends	Very long wheel life & high metal removal rate
High durability with a good cutting capability	Perfect for lab applications Suitable for use on all types of steel

39C (TOROS)

Type 41

FEATURES	BENEFITS
Highest purity green silicon carbide abrasive	Excellent to cut all non metals (titanium, aluminum, bronze)
Harder & more friable than aluminium oxide abrasive	Extremely friable abrasive for better cutting efficiency & cut quality

74C (TOROS)

Type 41

FEATURES	BENEFITS
Special blend silicon carbide abrasives	Good wheel life, limited metal removal rate
More durable than the sharper 39C abrasive	Good to cut aluminum, cast iron & bronze

BETTER

U57A

Type 41 Type 42

FEATURES	BENEFITS
Specially treated brown aluminium oxide abrasive	Long wheel life
Tough & hard aluminium oxide abrasive	Ideal for heavy duty applications
Not suitable for use on extremely hard materials	

ORGANIC CUT-OFF WHEELS

GOOD

57A

Type 41

FEATURES	BENEFITS
Semifriable aluminium oxide abrasive	Cool & burn free cutting
Less tough than type A abrasive but offers better cutting quality	Ideal for heat-sensitive applications with light to moderate feed rates
Pointed shape	Suitable for all steels Good compromise between cut quality & wheel life Very versatile: suitable for all steels

A

Type 41

FEATURES	BENEFITS
Tougher than pure white aluminium oxide abrasive	Good wheel life, limited metal removal rate
General purpose abrasive suitable for most operations	Good for cutting medium to soft steels Economy product First choice for less technical applications

23A

Type 41

FEATURES	BENEFITS
An abrasive blend of semifriable 57A aluminium oxide & white monocristalline 32A aluminium oxide	Cool & burn free cutting Suitable for all steels Improved metal removal rate compared to 57A pure semifriable aluminium oxide abrasive

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	66253056355
100x1x20	80	25			23A 80 PB25	66253056356
125x1x13	80	25			57A 60 PB25	66253056357*
125x1x16	80	25			23A 80 PB25	66253056358
125x1x20	80	25			57A 60 PB25	66253056359
150x1x13	80	25			23A 80 PB25	66253056361
150x1x16	80	25			23A 80 PB25	66253056363
150x1x20	80	25			23A 80 NB25	66253056367
	80	25			23A 80 PB25	66253056368
150x1x32	80	25			57A 60 PB25	66253056373
150x1,6x16	80	25			23A 60 NB25	66253056362
150x1,6x20	63	25			23A 60 LB25	66253056365
	80	25			23A 60 NB25	66253056366
	80	25			57A 60 PB25	66253056364
150x1,6x31,75	80	25			57A 60 RB25	66253056371
150x1,6x32	80	25			57A 60 NB25	66253056360
	80	25			57A 60 PB25	66253056372
150x2x20	80	25			23A 60 NB25	66253056370
150x2x32	80	25			57A 60 PB25	66253056369
150x3x32	80	25			57A 60 PB25	66253056374
180x1,6x31,75	80	25			57A 60 PB25	66253056375
	80	25			57A 60 RB25	66253056376
200x1,5x20	63	10	XGP 70 FB26 (Toros)	66253060407*		
200x1,6x20	80	25			57A 60 PB25	66253056377
200x1,6x32	80	25			57A 60 NB25	66253056382
	80	25			57A 60 PB25	66253056380
	80	25			57A 60 RB25	66253056381
200x2x20	63	25			23A 60 LB25	66253056378
200x2x25,4	80	25			57A 60 PB25	66253056379
250x1,6x25,4	80	10			57A 60 NB25	66253056383
250x1,6x32	63	10	39C 70 DB24 (Toros)	66253060408*		
	63	10	74C 70 FB24 (Toros)	66253060415		
	63	10	XGP 70 EB26 (Toros)	66253060409		
	63	10	XGP 70 FB26 (Toros)	66253060410		
	63	10	XGP 70 HB26 (Toros)	66253060411		
	63	10	XGP 70 JB26 (Toros)	66253060412		

* 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)	662530**60419***		
	63	10	XGP 70 EB26 (Toros)	662530**60418**		
	63	10	XGP 70 FB26 (Toros)	662530**60417**		
350x2,5x32	63	10	39C 70 DB24 (Toros)	662530**60423***		
	63	10	74C 70 FB24 (Toros)	662530**60422***		
	63	10	XGP 70 EB26 (Toros)	662530**60414**		
	63	10	XGP 70 FB26 (Toros)	662530**60420**		
	63	10	XGP 70 HB26 (Toros)	662530**60421**		
400x3x32	63	10	XGP 60 EB26 (Toros)	662530**60425**		
	63	10	XGP 60 FB26 (Toros)	662530**60424**		
450x3,5x32	63	10	XGP 60 EB26 (Toros)	662530**60428**		

* 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.

*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**				
500x5x25,4	80	10					57A 24 TB25 NA (RC26)	662530**56529**
500x5,5x25,4	80	10	4NZ 30 XB25 NA	662530**56535**				
	80	10					57A 24 PB25 NA4	662530**56533**
	80	10					57A 24 RB25 NA4 (TBDX METAL)	662530**56536**
500x5,5x40	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

ORGANIC SNAGGING WHEELS & CUPS

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
Special design of abrasive blends	Very good compromise between wheel life & metal removal rate
High durability & versatility	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
Tougher than pure white aluminium oxide abrasive	Long wheel life, limited metal removal rate AZ is a blend of aluminium oxide & zirconia
General purpose abrasive ideal for most operations	Good for cutting medium to soft steels Economy product First choice for less technical applications

C

Type 11

FEATURES	BENEFITS
Low purity black silicon carbide abrasive	Suitable for roughing operations in coarse grit & resinoid wheels
Harder & more friable than aluminium type abrasives	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

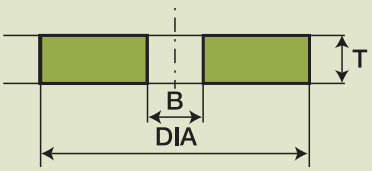
PEDESTAL SNAGGING

DIM DIAxTxB(mm)	MOS (m/s)	PK QTY	BEST		GOOD	
Type 01						
300x50x32	50	2			A 16 NB3	662530**61993***
	50	2			A 36 O6B3	662530**61994**
355x50x127	50	2			A 16 0B28	662530**57667***
400x50x127	50	2			A 24 QB3	662530**60723***
508x50x50	50	1	ZF7A 16 R5B3	662530**57670***		
508x50x127	50	1			A 16 NB28	662530**57668***
508x60x127	50	1	ZF7A 20 Q5B3	662530**57673***		
	50	1	ZF7A 16 R5B3	662530**57671**		
760x76x304,8	50	1	ZF7C 16 3PB28	662530**57679***		
760x80x304,8	50	1	ZF7A 14 3RB28	662530**57675**		
	50	1	ZF7A 16 3RB28	662530**57676***		

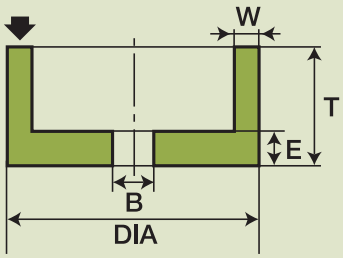
* Made-to-order

SHAPE KEY

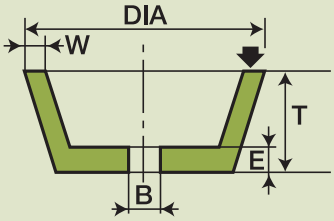
Type 01



Type 06

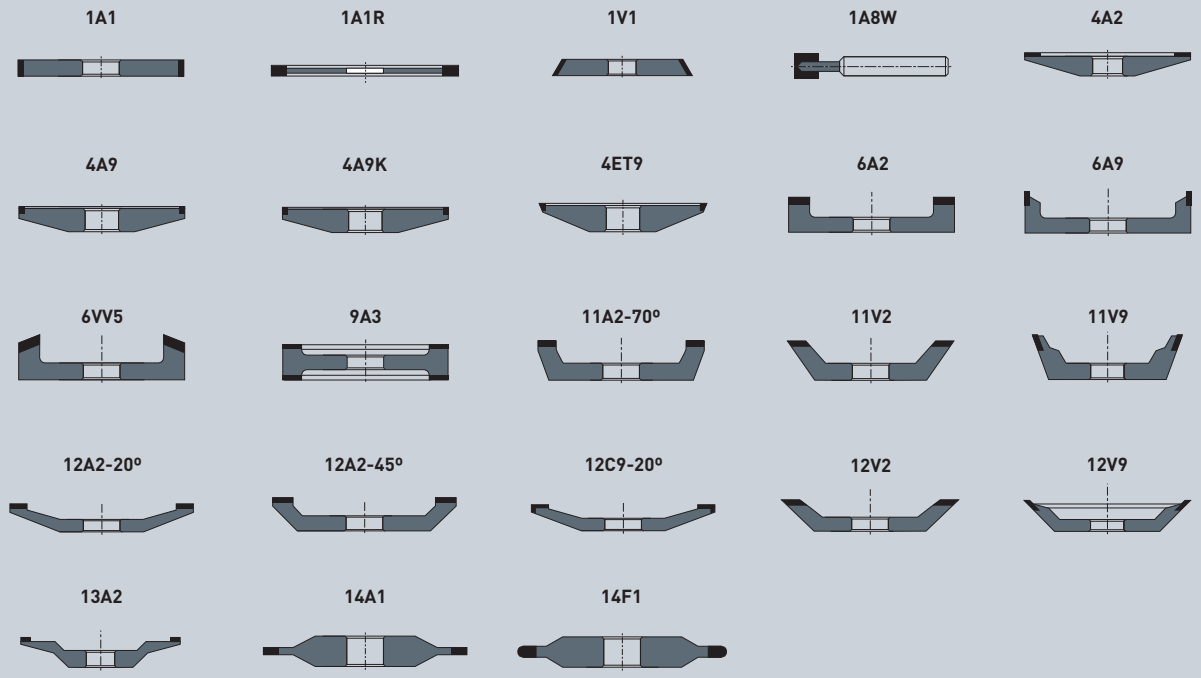


Type 11



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

WHEEL SHAPES



DIAMOND WHEELS

FEATURES	BENEFITS
■ High quality synthetic diamond	■ High material removal rates; longer wheel life versus conventional silicon carbide wheels
■ Pre-engineered resin bond - B99	■ 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
■ Optimised design	■ 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
■ CBN abrasive material is 2nd in hardness to Diamond	■ Easily cuts difficult to grind steel parts, RC 50 or harder
■ High quality durable CBN abrasive	■ Highly wear resistant & thermally stable
■ Pre-engineered resin bond - B99	■ Free cutting, superior form holding
■ High performance Aztec IV bond	■ Larger cutting depth
■ Optimised design	■ Most efficient for dry tool resharpening 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
Cylindical grinding OD	1A1, 14A1		CB126TB99
Cylindical 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) CNC (wet)	AZTEC IV (dry) CB126TB99 CB107WB99
Woodworking	12V2, 12A2-20°, 13A2 6A2, 12A2-45°, 11A2, 14A1, 14F1, 1A8W	Face grinding Tooth top	CB126TB99

1A1

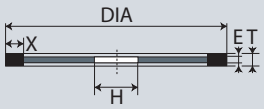
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	PK QTY	BEST		BETTER	
15	12	6	2	1	ASD126R100B99	69014**51486**		
20	10	6	2	1	ASD126R100B99	69014**51728**		
25	10	6	2	1			ASD126R75B99	69014**51498**
	12	6	2	1	ASD126R100B99	69014**51503**		
30	10	6	3	1			ASD126R75B99	69014**51508**
	10	10	3	1			ASD126R75B99	69014**51510**
40	15	10	3	1			ASD126R75B99	69014**51516**
50	15	20	3	1			ASD126R75B99	69014**51521**
100	4	20	3	1			ASD91R75B99	69014**51528**
	6	32	3	1	ASD91R100B99	69014**52303**		
	10	20	5	1			ASD91R75B99	601576**81620**
	10	20	5	1	ASD64R100B99	601576**81660**		
	12	20	5	1	ASD64R100B99	601576**81662**		
	15	20	5	1			ASD91R75B99	601576**81667**
	15	20	5	1	ASD64R100B99	601576**81669**		
125	5	20	3	1			ASD126R75B99	69014**51531**
	10	20	5	1	ASD126R100B99	601576**82091**		
	10	20	10	1	ASD64R100B99	601576**81670**		
	12	20	10	1	ASD64R100B99	601576**81672**		
	16	20	10	1	ASD64R100B99	601576**81674**		
150	10	20	3	1			ASD126R50B99	601576**36274**
	10	32	3	1			ASD126R75B99	69014**51540**
	12	20	10	1	ASD64R100B99	601576**81675**		
175	15	32	1,5	1			ASD126R50B99	69014**51545**
200	10	32	3	1			ASD126R75B99	69014**51550**
	10	51	3	1			ASD126R75B99	69014**52165**
	15	32	3	1			ASD126R75B99	69014**51558**
	15	76,2	3	1			ASD126R75B99	69014**51560**
250	10	76,2	3	1			ASD126R75B99	69014**51565**
	15	76,2	3	1			ASD126R75B99	601576**36276**
	20	76,2	1,5	1			AMD126R50B99	69014**51567**
300	10	127	3	1			ASD126R75B99	69014**51570**
	15	127	3	1			ASD126R75B99	601576**36277**
	20	127	1,5	1			AMD126R50B99	69014**51576**

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



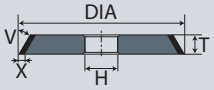
DIAMOND

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	601576**81767**
125	1	20	5	0,7	1	CB151TB99	601576**82094**
150	1	20	5	0,8	1	CB151TB99	601576**82103**
200	1,2	25,4	5	0,9	1	CB151TB99	601576**81768**
250	1,2	32	5	0,9	1	CB151TB99	601576**81769**
300	1,5	32	5	1,2	1	CB151TB99	601576**81770**

1V1



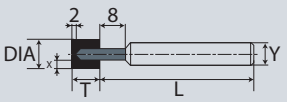
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	V	PK QTY	BEST	
100	10	20	5	10º	1	ASD64R100B99	601576**81694**
	15	20	5	10º	1	ASD64R100B99	601576**81695**
	15	20	5	20º	1	ASD64R100B99	601576**81696**
	15	20	5	30º	1	ASD64R100B99	601576**81697**
	15	20	5	45º	1	ASD64R100B99	601576**81698**
125	6	20	5	20º	1	ASD64R100B99	601576**81700**
	10	20	5	10º	1	ASD64R100B99	601576**81701**
	10	20	5	20º	1	ASD64R100B99	601576**81702**
	10	20	5	30º	1	ASD64R100B99	601576**81703**
	15	20	5	20º	1	ASD64R100B99	601576**81704**
	15	20	5	45º	1	ASD64R100B99	601576**81705**
150	12	20	5	15º	1	ASD64R100B99	601576**81706**

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	V	PK QTY	BEST	
100	10	20	5	10º	1	CB107WB99	601576**81771**
	15	20	5	10º	1	CB107WB99	601576**81772**
	15	20	5	20º	1	CB107WB99	601576**81773**
	15	20	5	30º	1	CB107WB99	601576**81774**
	15	20	5	45º	1	CB107WB99	601576**81775**
125	12	20	5	10º	1	CB107WB99	601576**81776**
	12	20	5	45º	1	CB107WB99	601576**81777**
150	12	20	5	15º	1	CB107WB99	601576**81778**

1A8W

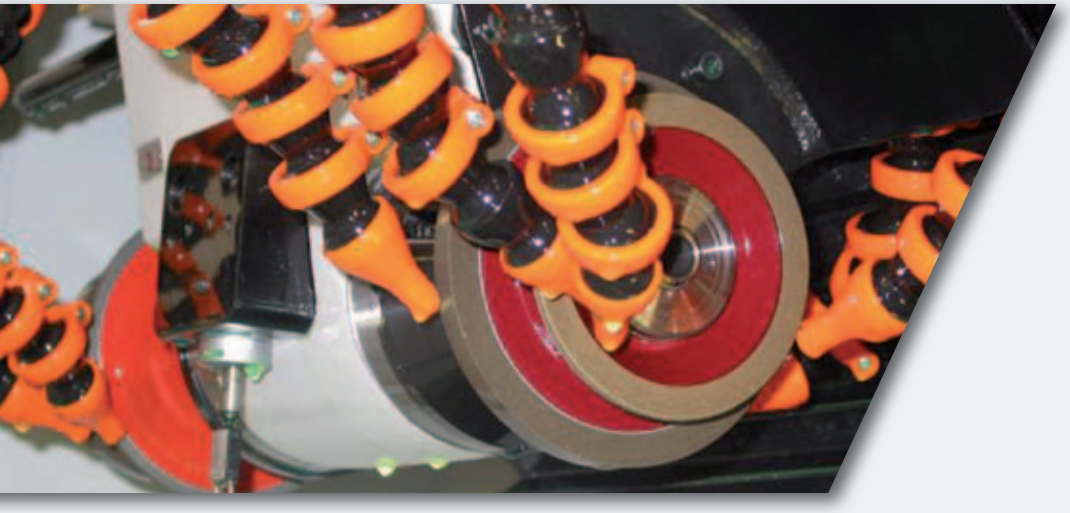


DIAMOND

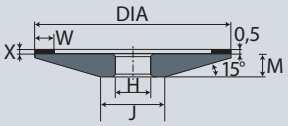
DIA (mm)	T (mm)	X (mm)	Y (mm)	L (mm)	PK QTY	BEST		BETTER	
3	6	0,65	3	40	1			ASD126R75B99	601576**81708**
4	6	1,15	3	40	1			ASD126R75B99	601576**81709**
5	6	1,5	3	40	1			ASD126R75B99	601576**81710**
6	3	1,5	6	40	1	ASD76R125B99	601576**81711**		
	6	1,5	6	40	1			ASD126R75B99	601576**81713**
	6	1,5	6	70	1	ASD64R125B99	601576**81714**		
8	10	2	6	70	1			ASD126R75B99	601576**81717**
	6	2	6	70	1	ASD64R125B99	601576**81718**		
10	10	2	6	70	1			ASD126R75B99	601576**81720**
	6	2	6	70	1	ASD64R125B99	601576**81721**		
12	10	3	6	70	1			ASD126R75B99	601576**81722**
	6	3	6	70	1	ASD64R125B99	601576**81723**		

CBN

DIA (mm)	T (mm)	X (mm)	Y (mm)	L (mm)	PK QTY	BEST		BETTER	
3	6	0,65	3	40	1			CB126TB99	601576**81779**
4	6	1,15	3	40	1			CB126TB99	601576**81780**
5	6	1,5	3	40	1			CB126TB99	601576**81781**
6	6	1,5	6	40	1			CB126TB99	601576**81782**
	6	1,5	6	70	1	CB126WB99	601576**81783**		
8	10	2	6	70	1			CB126TB99	601576**81784**
	6	2	6	70	1	CB126WB99	601576**81785**		
10	10	2	6	70	1			CB126TB99	690141**51061**
	6	2	6	70	1	CB126WB99	601576**81786**		
12	10	3	6	70	1			CB126TB99	601576**81787**
	6	3	6	70	1	CB126WB99	601576**81788**		



4A2



DIAMOND

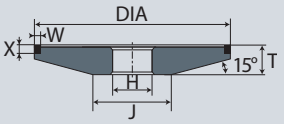
DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BETTER	
100	7	20	5	2	51	1	ASD64R75B99	69014**51677**
	7	25*	5	2	51	1	ASD91R75B99	69014**52017**
125	8	20	5	2	69	1	ASD126R75B99	60157**81726**
	8	20	5	2	69	1	ASD64R75B99	69014**51949**
	8	32	5	2	69	1	ASD91R75B99	69014**51954**
	8	20	10	2	69	1	ASD107R75B99	60157**82109**
150	9	20	5	2	87	1	ASD126R75B99	60157**36295**
	9	20	5	2	87	1	ASD64R75B99	69014**51955**
	9	32	5	2	87	1	ASD91R75B99	69014**51957**
	9	32	5	2	87	1	ASD54R50B99	69014**55611**
175	10	20	5	4	104	1	ASD64R50B99	60157**81727**
	10	32	5	4	104	1	ASD126R75B99	69014**51709**

CBN

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BETTER	
100	7	20	5	2	51	1	CB126TB99	69014**51685**
125	8	32	5	2	69	1	CB151TB99	69014**51695**
150	9	20	5	2	87	1	CB126TB99	60157**36297**
	9	20	5	4	87	1	CB107TB99	60157**82111**
175	10	20	5	4	104	1	CB126TB99	60157**36298**
200	11	20	6	4	121	1	CB107TB99	60157**82113**

*4A2K (with Keyway)

4A9

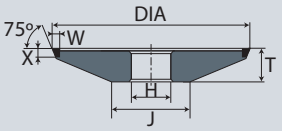


DIAMOND

DIA (mm)	T (mm)	H (mm)	W (mm)	X (mm)	J (mm)	PK QTY	BETTER	
75	14	20*	4	4	35	1	ASD126R75B99	60157**82214**
80	10	32	4,7	4	38	1	ASD107R75B99	60157**81731**
100	10	32	4,7	4	55	1	ASD107R75B99	69014**51711**
	14	20*	4	4	35	1	ASD126R75B99	69014**51981**

*4A9K (with Keyway)

4ET9

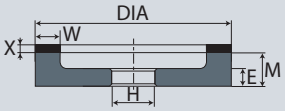


DIAMOND

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	69014**51958**
	8	25*	3	3,3	54	1			ASD76R50B99	60157**681732**
125	11,5	32	2,5	1,2	63	1	ASD54 R75 B84	69014**51979**		
	12	32	3	1,8	63	1	ASD91R100B99	66260**165128**		
	12	32	3	1,8	63	1	ASD54 R75 B84	69014**51369**		
	14	32	3	3,8	63	1	ASD54 R75 B84	69014**51980**		

*4ET9K (with keyway)

6A2



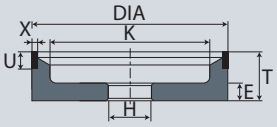
DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	E (mm)	PK QTY	BEST		BETTER	
100	20	20	6	4	10	1			ASD151R75B99	601576**81733**
	20	25	6	4	10	1	ASD91R100B99	601576**82114**		
	20	20	8	2	10	1	ASD107R100B99	601576**81734**		
	20	25	8	2	10	1			ASD107R75B99	69014**51608**
	20	15	12	2	10	1			ASD107R50B99	601576**36304**
	20	20	12	2	10	1			ASD107R50B99	601576**36282**
	20	20	12	2	10	1			ASD54R50B99	69014**51610**
125	20	20	5	2	10	1			ASD64R50B99	601576**82115**
	40	20	6	5	10	1			ASD64R75B99	601576**82117**
	20	20	10	2	10	1			ASD107R50B99	69014**51615**
	20	70	10	2	10	1			ASD107R50B99	69014**52087**
150	50	20	6	4	10	1			ASD126R75B99	69014**51618**
	50	50	6	4	10	1	ASD126R100B99	601576**81735**		
	20	20	10	2	10	1			ASD91R50B99	69014**51624**
	20	32	15	2	10	1			ASD107R50B99	69014**51629**
	20	20	20	2	10	1			ASD126R75B99	69014**51631**
200	50	105	15	6	13	1	ASD151R100B99	601576**82118**		

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	601576**81789**
150	50	20	6	4	10	1			CB151TB99	601576**81791**
	50	32	6	4	10	1			CB126TB99	690141**51623**
200	50	105	15	6	13	1	CB107WB99	601576**82119**		

6A9



DIAMOND

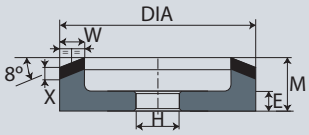
DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	K (mm)	E (mm)	PK QTY	BEST	
100	20	25*	3	6	80	7	1	ASD54R100B99	690141**53087**
	20	20	3	10	80	7	1	ASD64R100B99	601576**82122**
125	18	20	3	6	112	11	1	ASD54R100B99	690141**51637**
	18	32	3	6	112	11	1	ASD54R100B99	690141**51638**
	30	20	3	10	105	10	1	ASD126R100B99	601576**81803**

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	601576**82123**

*6A9K (with keyway)

6VV5

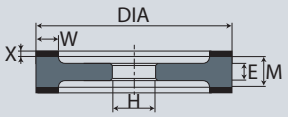


DIAMOND

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	690141**51090**
125	18	25*	5	6	10	1			ASD126R100/46R75B99	601576**82125**
	18	32	5	6	10	1			ASD126R100/46R75B99	601576**82126**
	18	32	5	6	10	1	ASD126R125/46R100B99	601576**81736**		
	18	32	5	6	10	1			ASD91R100/20BR75B99	601576**81737**
	22	32	5	10	10	1			ASD126R100/46R75B99	601576**81738**
	22	32	5	10	10	1	ASD126R125/46R100B99	601576**81739**		
	22	32	5	10	10	1			ASD91R100/20BR75B99	601576**81740**

*6VV5K (with keyway)

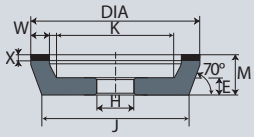
9A3



DIAMOND

DIA (mm)	M (mm)	H (mm)	W (mm)	X (mm)	E (mm)	PK QTY	BETTER	
175	30	20	5	2	14	1	ASD126R50B99	69014**51640**
	30	20	5	2	14	1	ASD64R50B99	69014**51639**

11A2-70º



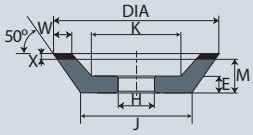
DIAMOND

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	601576**82163**
	20	25	5	4	75	10	88	1	ASD126R100B99	601576**82164**		

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	601576**82165**
150	23	32	6	4	122	10	135	1			CB151TB99	601576**82166**

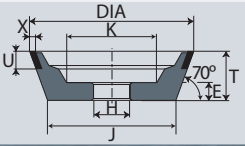
11V2



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	601576**36285**
	25	20	5	3	60	12	58	1	ASD91R75B99	601576**36284**

11V9



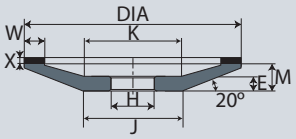
DIAMOND

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	690141**52028**
	30	20	2	10	40	10	53	1			ASD126R75B99	690141**51377**
	30	20	2	10	40	10	53	1			ASD107R75B99	601576**82168**
	30	20	2	10	40	10	53	1	ASD64R100B99	601576**81746**		
100	35	20	1,5	10	55	10	75	1			ASD76R75B99	690141**51656**
	35	20	2	10	55	10	75	1			ASD126R75B99	690141**51386**
	35	20	2	10	55	10	75	1			ASD76R75B99	690141**51383**
	35	20	2	10	55	10	75	1	ASD64R100B99	601576**81747**		
	35	20	3	10	55	10	75	1			ASD126R75B99	601576**81748**
	35	20	3	10	55	10	75	1	ASD64R100B99	601576**81749**		
	35	32	3	10	55	10	75	1			ASD126R75B99	690141**51667**
125	40	20	3	10	75	10	96	1			ASD126R75B99	690141**51672**
	40	20	3	10	75	10	96	1	ASD64R100B99	601576**81750**		
	40	32	3	10	75	10	96	1			ASD126R75B99	690141**51674**

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	690141**52323**		
	30	20	2	10	40	10	53	1			CB126TB99	690141**51379**
	30	20	2	10	40	10	53	1			CB91TB99	601576**81792**
100	35	20	1,5	10	55	10	75	1	BN181 Aztec IV	690141**52118**		
	35	20	1,5	10	55	10	75	1	BN126 Aztec IV	690141**52115**		
	35	32	1,5	10	55	10	75	1	BN181 Aztec IV	690141**52120**		
	35	20	2	10	55	10	75	1			CB126TB99	690141**51944**
	35	20	2	10	55	10	75	1			CB91TB99	601576**81793**
	35	32	2	10	55	10	75	1			CB126TB99	690141**51946**
	35	20	3	10	55	10	75	1	CB107WB99	601576**81794**		
125	40	20	1,5	10	75	10	96	1	BN126 Aztec IV	690141**52326**		
	40	20	3	10	75	10	96	1			CB107TB99	601576**81795**

12A2-20°



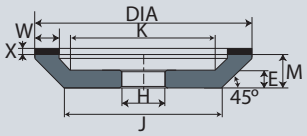
DIAMOND

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	690141**51721**
	14	20	5	2	54	8	54	1			ASD64R75B99	601576**87009**
	14	20	6	2	54	8	54	1			ASD126R50B99	601576**82169**
	14	20	6	2	54	8	54	1			ASD91R50B99	601576**82170**
	14	20	6	4	54	8	54	1	ASD126R100B99	601576**82171**		
	14	32	6	4	54	8	54	1			ASD91R75B99	601576**82172**
150	16	20	5	2	68	9	68	1			ASD126R75B99	690141**51961**
	16	20	5	2	68	9	68	1			ASD64R50B99	690141**51397**
	16	32	5	2	68	9	68	1			ASD126R75B99	690141**51963**
	16	32	5	3	68	9	68	1	ASD91R100B99	601576**82176**		
	16	32	5	3	68	9	68	1	ASD64R100B99	601576**82177**		
	16	32	6	4	68	9	68	1			ASD126R75B99	601576**82178**
	16	32	6	4	68	9	68	1			ASD91R75B99	601576**82179**
	16	32	10	4	68	9	68	1			ASD126R50B99	601576**82180**
175	18	20	5	2	82	10	82	1			ASD126R75B99	690141**51422**
	18	20	5	2	82	10	82	1			ASD64R50B99	690141**51415**
	18	32	5	2	82	10	82	1			ASD126R75B99	690141**51424**

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	601576**82173**
	14	20	10	4	54	8	54	1	CB126WB99	601576**82174**		
150	16	32	5	3	68	9	68	1	CB126WB99	601576**82181**		
	16	20	5	4	68	9	68	1			CB126QB99	690141**51412**
	16	32	6	4	68	9	68	1			CB126TB99	601576**82182**
	16	32	10	4	68	9	68	1	CB151WB99	601576**82183**		
175	18	20	5	4	82	10	82	1			CB126TB99	690141**51427**

12A2-45º



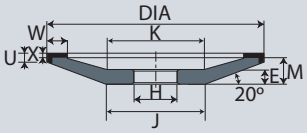
DIAMOND

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**

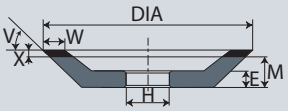
12C9-20º



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

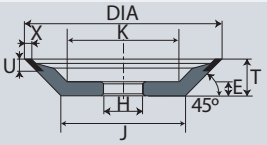


DIAMOND

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

*12V2K (with keyway)

12V9



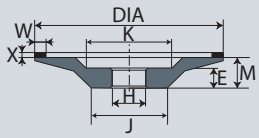
DIAMOND

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	69014**51966**
	20	20	3	6	35	10	35	1			ASD76R75B99	69014**51462**
	20	20	2	10	35	10	35	1			ASD64R75B99	60157**681752**
100	20	20	2	6	60	10	60	1			ASD126R75B99	69014**51464**
	20	20	2	6	60	10	60	1			ASD64R75B99	60157**681753**
	20	20	2	10	60	10	60	1	ASD64R100B99	60157**681754**		
	20	20	3	10	60	10	60	1	ASD64R100B99	60157**681755**		
	20	20	3	10	60	10	60	1			ASD46R75B99	60157**681756**
	20	20	3	10	60	10	60	1	ASD46R100B99	60157**681757**		
125	25	20	2	6	75	10	75	1			ASD126R75B99	60157**681758**
	25	20	2	6	75	10	75	1			ASD64R75B99	60157**681759**
	25	20	3	10	75	10	75	1	ASD64R100B99	60157**681760**		

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	60157**681797**
100	20	20	2	6	60	10	60	1			CB126TB99	69014**51973**
	20	20	3	10	60	10	60	1			CB126TB99	60157**681798**
	20	20	3	10	60	10	60	1	CB107WB99	60157**681799**		
125	25	20	2	6	75	10	75	1			CB126TB99	69014**51975**
	25	20	2	6	75	10	75	1			CB107TB99	60157**681800**
	25	20	3	10	75	10	75	1	CB107WB99	60157**681801**		

13A2



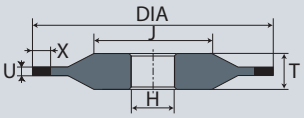
DIAMOND

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	60157**682191**
	18	20	5	4	50	9	70	1	ASD126R75B99	69014**51473**
	18	20	5	4	50	9	70	1	ASD64R75B99	60157**687068**
	18	20	5	4	50	9	70	1	ASD46R75B99	60157**681810**
150	20	32	5	1,5	60	9	82	1	ASD107R75B99	60157**682192**
	20	20	5	4	60	9	82	1	ASD151R75B99	60157**681815**
	20	20	5	4	60	9	82	1	ASD64R75B99	60157**681820**
175	22	20	5	4	70	10	100	1	ASD126R75B99	60157**681827**

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	601576**81812**
	18	20	5	4	50	9	70	1	CB107QB99	601576**81814**
150	20	20	5	4	60	9	82	1	CB151TB99	601576**81825**
	20	20	5	4	60	9	82	1	CB126QB99	690141**51479**
	20	20	5	4	60	9	82	1	CB107QB99	601576**81826**

14A1



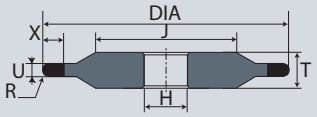
DIAMOND

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	J (mm)	PK QTY	BEST	
200	10	32	7	3	160	1	ASD126R100B99	601576**82194**
	10	60	5	4	160	1	ASD151R100B99	601576**82195**
	10	32	6	4	160	1	ASD46R100B99	601576**81830**
	10	60	6	4	160	1	ASD46R100B99	601576**81831**
	10	32	7	5	160	1	ASD126R100B99	601576**82196**
	10	60	7	5	160	1	ASD126R100B99	601576**82197**

CBN

DIA (mm)	T (mm)	H (mm)	X (mm)	U (mm)	J (mm)	PK QTY	BEST	
200	10	60	5	2	160	1	CB181WB99	601576**82198**
	10	32	6	4	160	1	CB151WB99	601576**81832**
	10	32	6	4	160	1	CB91WB99	601576**81833**
	10	32	6	4	160	1	CB64WB99	601576**81835**
	10	60	6	4	160	1	CB151WB99	601576**81836**
	10	60	6	4	160	1	CB126WB99	601576**81837**
	10	60	6	4	160	1	CB64WB99	601576**81838**

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	601576**81846**		
125	10	20	10	8	4	100	1			ASD65R75B99	601576**81848**
150	10	20	5	2	1	120	1	ASD64R100B99	601576**81850**		
	10	20	5	4	2	120	1	ASD64R100B99	601576**81851**		
200	10	50	5	2	1	160	1	ASD151R100B99	601576**82201**		
	10	32	6	2	1	160	1	ASD126R100B99	601576**81853**		
	10	60	7	2	1	160	1	ASD64R100B99	601576**81855**		
	10	60	7	2	1	160	1	ASD126R100B99	601576**82202**		
	10	20	5	2,4	1,2	160	1	ASD64R100B99	601576**82204**		
	10	60	6	3	1,5	160	1	ASD126R100B99	601576**81856**		
	10	32	7	3	1,5	160	1	ASD126R100B99	601576**83136**		
	10	20	5	4	2	160	1	ASD64R100B99	601576**82205**		
	10	20	6	4	2	160	1	ASD151R100B99	601576**81857**		
	10	32	6	4	2	160	1	ASD151R100B99	601576**81858**		
	10	60	6	4	2	160	1	ASD151R100B99	601576**81859**		
	10	60	7	4	2	160	1	ASD126R100B99	601576**82208**		
	10	60	5	5	2,5	160	1	ASD126R100B99	601576**82209**		
	10	32	6	5	2,5	160	1	ASD151R100B99	601576**81862**		

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	601576**81847**
125	10	20	5	4	2	100	1	CB107WB99	601576**81849**
150	10	20	5	4	2	120	1	CB107WB99	601576**81852**
200	10	20	5	2,4	1,2	160	1	CB91WB99	601576**82210**
	10	32	7	3	1,5	160	1	CB126WB99	601576**82211**
	10	60	5	4	2	160	1	CB151WB99	601576**82212**
	10	32	6	4	2	160	1	CB151WB99	601576**81863**

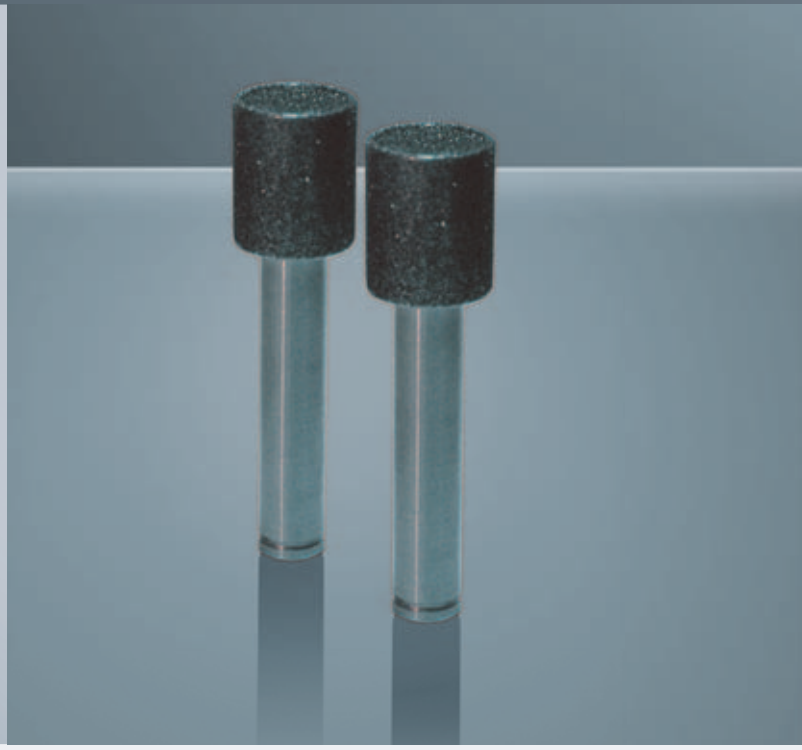
ELECTROPLATED PINS

Electoplated pins with high quality Diamond and CBN grits

APPLICATIONS & MARKETS

Internal grinding of:

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



BEST

DIAMOND PINS DPS

FEATURES	BENEFITS
Electroplated pins with high quality diamond in 2 grit sizes	High material removal For use dry or wet Ideal for carbides & short chipping material

CBN PINS XBS

FEATURES	BENEFITS
Electroplated pins with high quality CBN in 2 grit sizes	High material removal rate For use dry or with straight oil Ideal for HSS & high-alloy hardened steels

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	69014**51200**
	5	3	40	7	4	DPS 181M	69014**51199**
2	5	3	40	12	4	DPS 76M	69014**51168**
	5	3	40	12	4	DPS 181M	601576**37973**
2,5	5	3	40	12	4	DPS 76M	69014**51201**
3	5	3	50	15	4	DPS 76M	69014**51170**
	5	3	50	15	4	DPS 181M	69014**51169**
3,5	5	3	50		4	DPS 76M	69014**51205**
4	5	3	50		4	DPS 76M	69014**51173**
	5	3	50		4	DPS 181M	69014**51172**
5	5	3	50		4	DPS 76M	69014**51207**
	5	3	50		4	DPS 181M	69014**51206**
6	6	6	64	14	3	DPS 76M	69014**51178**
	6	6	64	14	3	DPS 181M	69014**51177**
8	8	6	62		2	DPS 76M	69014**51192**
	8	6	62		2	DPS 181M	69014**51191**
10	10	6	80		2	DPS 76M	69014**51195**
	10	6	80		2	DPS 181M	69014**51194**
12	10	6	80		2	DPS 76M	601576**36808**

CBN

DIA (mm)	T (mm)	Y (mm)	L (mm)	L_2 (mm)	PK QTY	BEST	
0,7	3	3	32	4	4	XBS 76M	69014**51184**
1	4	3	31	5	4	XBS 76M	69014**51183**
	4	3	31	5	4	XBS 181M	69014**51188**
1,2	4	3	31	8	4	XBS 181M	69014**51190**
1,5	5	3	40	7	4	XBS 76M	69014**51203**
	5	3	40	7	4	XBS 181M	69014**51176**
2	5	3	40	12	4	XBS 76M	69014**51202**
	5	3	40	12	4	XBS 181M	69014**51180**
2,5	5	3	40	12	4	XBS 76M	69014**51197**
	5	3	40	12	4	XBS 181M	69014**51198**
3	5	3	50	15	4	XBS 76M	69014**51171**
	5	3	50	15	4	XBS 181M	601576**36804**
3,5	5	3	50		4	XBS 76M	69014**51185**
	5	3	50		4	XBS 181M	69014**51186**
4	5	3	50		4	XBS 76M	69014**51175**
	5	3	50		4	XBS 181M	69014**51174**
5	5	3	50		4	XBS 76M	69014**51179**
	5	3	50		4	XBS 181M	601576**36809**

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

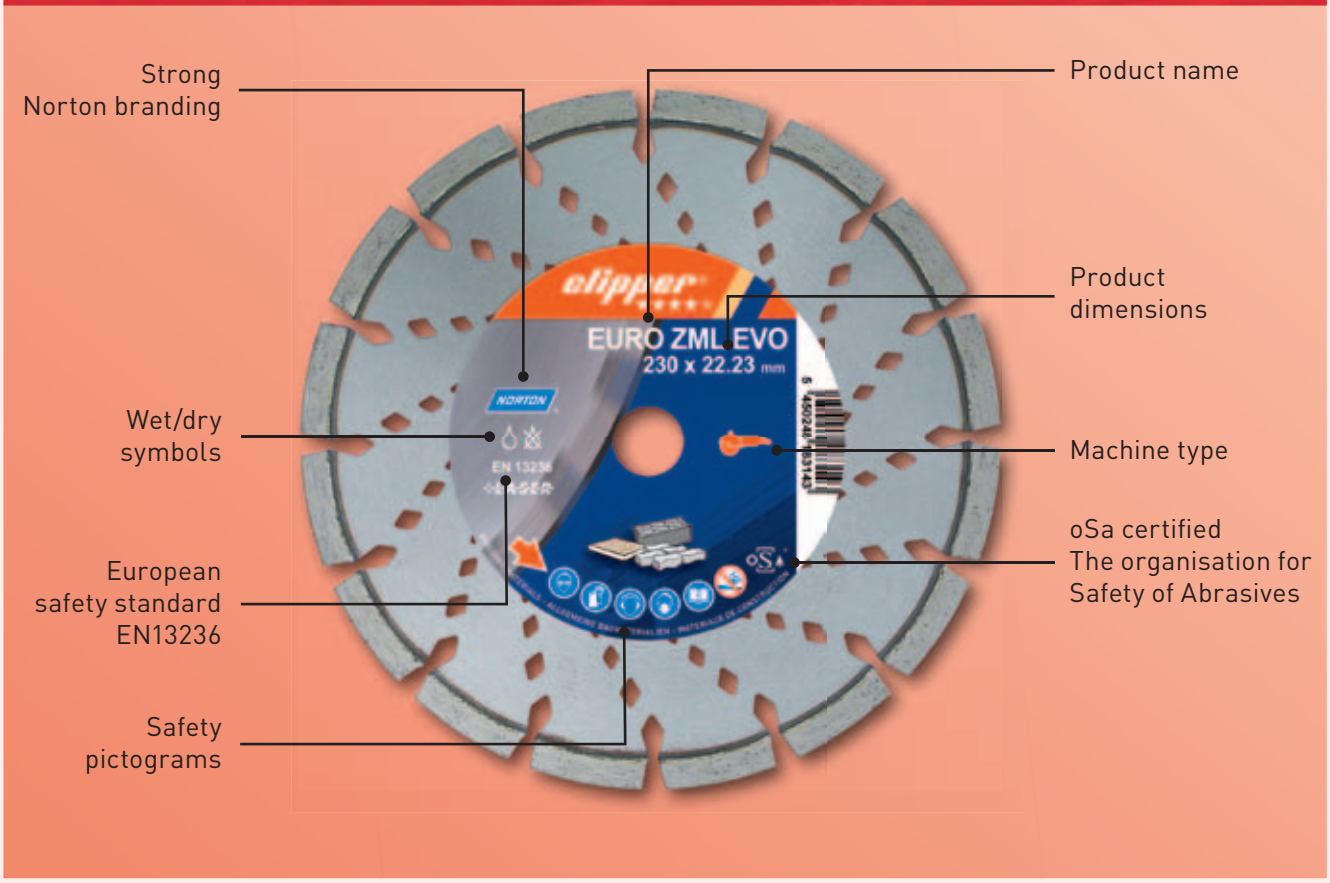
Diamond Blades

INTRODUCTION

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.

INNOVATION BEST	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.	BETTER	High performance & high value professional products, ideal for regular use
BEST	This product line offers a range of high performance tools that meet the needs of the most demanding user	GOOD	This product line provides a range of standard blades offering good levels of performance

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.

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

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

ANGLE GRINDERS MULTI-PURPOSE

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
Designed to cut the widest range of materials	Less need for blade changing so reduced down time & increased productivity
Features the innovative patent-pending "depth of cut indicator"	Helps optimise cutting speed & blade life in step-cutting
Special patent-pending ellipsoid gullets & specially treated steel centre	Increase fatigue resistance Directional arrows show the way of rotation for easy mounting
Not recommended for steel parts thicker than 5mm	

NORTON SAINT-GOBAIN

MULTI-PURPOSE

4x4 EXPLORER

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
115	10,0x2,2x22,23	1		7018462**5307**
125	10,0x2,2x22,23	1		7018462**5308**
230	10,0x2,5x22,23	1		7018462**4846**

INNOVATION BEST

SILENCIO

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

FEATURES	BENEFITS
Sandwich steel-centre with newly developed absorbing material	The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB – 30 times less noise !!
Patent-pending offset gullets prevent air from flowing through the steel-centre gullets	The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area
Up to 17mm high segments, with a bespoke specification for each different application	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 paviors, concrete paving slabs, concrete kerbs, concrete pipes, limestone, medium block paviors, & facing bricks

FEATURES	BENEFITS
Laser-welded, segmented diamond blade	
12mm segment height on 230mm diameter blades	Extreme long life
Double segments	Exceptional cutting speed
Very soft cut	Low vibrations
Special gullets indicate the way of rotation	Easy to mount

CONCRETE & REINFORCED CONCRETE

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

BEST

AERO JET

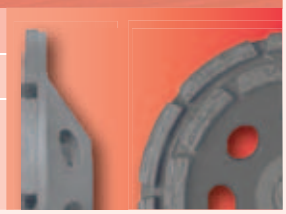
Suitable for use on very hard masonry materials, block paviors, granite & marble

FEATURES	BENEFITS
Sintered, continuous rim diamond blade with corrugated steel centre	
Special blade geometry	Gives more rigidity
Protection segments	Protect the steel centre & provide outstanding rigidity
Ventilated steel centre	Provides efficient cooling during cutting
Heavy duty diamond blade	Has extreme long life & an excellent cutting speed

CG2

Suitable for surface grinding on all types of masonry materials

FEATURES	BENEFITS
Double rim, brazed, segmented cup grinder	Recommended for removal of shuttering marks



BETTER

EURO-JET

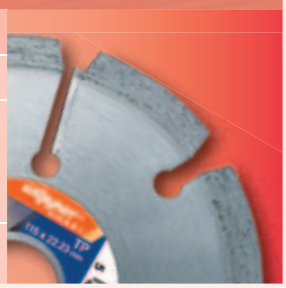
Suitable for use with engineering bricks, clay pipes/paviors, marble, clay roof tiles, concrete pipes/kerbs, slate, hard paviors, facing bricks, concrete roof tiles, medium block paviors, breeze blocks & concrete paving slabs

FEATURES	BENEFITS
Sintered, corrugated continuous rim diamond blade	
10mm segment height	Longer life
High-quality diamond blade	Long life, excellent cutting speed & all round excellent performance

TP

Suitable for removing mortar prior to the rejointing of brick walls

FEATURES	BENEFITS
Brazed, segmented diamond blade especially designed for the removal of mortar prior to rejointing	Premium performance
Tungsten carbide tips	Gives undercutting protection

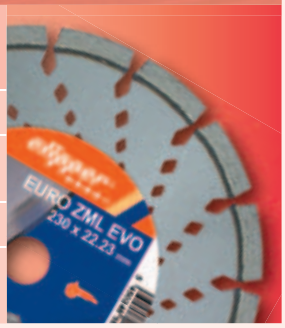


BETTER

EURO-ZML

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

FEATURES	BENEFITS
Laser-welded, segmented diamond blade	
10mm segment height	Longer life
Diamond-shape apertures on 230mm diamond blades	Prevent over-heating of the diamond blade



GOOD

CLASSIC JET

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

FEATURES	BENEFITS
Sintered, continuous rim diamond blade with corrugated segments	
Economy diamond blade	Value for money

CLASSIC LASER

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

FEATURES	BENEFITS
Laser-welded, segmented diamond blade	
Economy diamond blade	Value for money

CLASSIC UNI

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

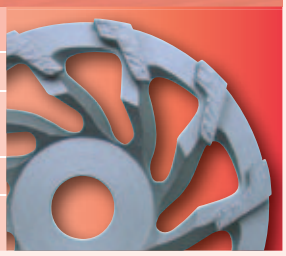
FEATURES	BENEFITS
Sintered, segmented diamond blade	
Economy diamond blade	Value for money Recommended for soft to medium hard materials Not recommended for very hard materials

GOOD

CG SLANT

Suitable for surface grinding of all types of masonry materials

FEATURES	BENEFITS
Single rim, brazed, segmented cup grinder	
Slant segments	Value for money
Hollow steel centre	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		70184**10268**							
105	22,23	1									70184**24781**
115	12,0x2,2x22,23	1	70184**23598**								
	10,0x1,8x22,23	1								70184**26806**	
	10,0x2,1x22,23	1						70184**26814**			
	10,0x2,2x22,23	1			70184**10314**		70184**24738**				
	7,0x2,2x22,23	1							70184**26834**		
	6,5x4,5x22,23	1				70184**10712**					
	6,5x6,5x22,23	1				70184**10305**					
125	12,0x2,2x22,23	1	70184**23599**								
	10,0x1,8x22,23	1								70184**26807**	
	10,0x2,1x22,23	1			70184**10315**			70184**26815**			
	10,0x2,2x22,23	1					70184**24739**				
	7,0x2,2x22,23	1							70184**26835**		
	6,5x4,5x22,23	1				70184**10713**					
	6,5x6,5x22,23	1				70184**10307**					
	6,5x8,0x22,23	1				70184**10716**					
	22,23(flat)	1		70184**11096**							
	22,23	1		70184**10363**							70184**23049**
150	22,23/19	1									70184**24760**
180	10,0x2,2x22,23	1								70184**26809**	
	7,0x2,5x22,23	1							70184**26837**		
	22,23	1		70184**10270**							70184**24782**
230	12,0x2,8x22,23	1	70184**23180**								
	10,0x2,2x22,23	1								70184**26810**	
	10,0x2,5x22,23	1					70184**11396**	70184**26818**	70184**26838**		
	10,0x2,6x22,23	1			70184**10267**						

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
For professional cutting of tiles	
Extra-thin diamond blade	Best quality of cut & cutting speed even on the hardest tiles
Additional metal flanges on each side of the blade	Prevents the steel-centre wobbling during the cut
10mm high continuous rim	For longer product life

BETTER

MD110CD

For use on all ceramic tiles, marble & slate

FEATURES	BENEFITS
Sintered, continuous rim diamond blade	
High-quality diamond blade with excellent performance	Long product life combined with an excellent cutting speed

GOOD

CLASSIC CERAM

Suitable for use on ceramic tiles

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

NORTON SAINT-GOBAIN

CERAMIC & STONE TILES

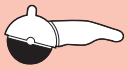
			SUPER GRES XT	MD110CD	CLASSIC CERAM
DIA (mm)	HxTxB (mm)	PK QTY	BEST	BETTER	GOOD
115	10,0x1,2x22,23	1	701846**12658**		
	9,0x1,6x22,23	1		701846**25942**	
	7,0x1,5x22,23	1			701846**26825**
125	10,0x1,2x22,23	1	701846**20209**		
	9,0x1,6x22,23	1		701846**25940**	
	7,0x1,6x22,23	1			701846**26826**
230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

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

PRODUCT SELECTION

USAGE KEY

- ■ Highly recommended
- ◧ R ecommended



INNOVATION	BEST	BEST	BEST	BEST	BEST	BEST	BEST	GOOD	GOOD	GOOD	BEST	BEST	GOOD	BEST	GOOD
	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
	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														◧	◧

CUP GRINDERS

NORTON SAINT-GOBAIN

PETROL HAND HELD & FLOOR SAWS MULTI-PURPOSE

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
Designed to cut the widest range of materials	Less need for blade changing so reduced down time & increased productivity
Features the innovative patent-pending "depth of cut indicator"	Helps optimise cutting speed & blade life in step-cutting
Special patent-pending ellipsoid gullets & specially treated steel centre	Increase fatigue resistance Directional arrows show the way of rotation for easy mounting
Not recommended for steel parts thicker than 5mm	

NORTON SAINT-GOBAIN

MULTI-PURPOSE

4x4 EXPLORER

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
300	10,0x2,8x20	1		70184**22936**
	10,0x2,8x25,4	1		70184**22937**
350	10,0x3,0x20	1		70184**22938**
	10,0x3,0x25,4	1		70184**22939**
400	10,0x3,2x20	1		70184**23897**
	10,0x3,2x25,4	1		70184**23899**
450	10,0x3,4x25,4	1		70184**25430**

INNOVATION

BEST

SILENCIO

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

FEATURES	BENEFITS
Patent-pending offset gullets* prevent air from flowing through the steel-centre gullets	The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area
Sandwich steel-centre with newly developed absorbing material	The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB – 30 times less noise !!
Up to 17mm high segments, with a bespoke specification for each different application	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

CONCRETE & REINFORCED CONCRETE

SILENCIO

DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION / BEST
300	15,0x3,1x20,0	1	70184**29000**
350	15,0x3,1x25,4	1	70184**28999***
	15,0x3,1x25,4	1	70184**28997****
450	15,0x3,2x25,4	1	70184**31020**
500	15,0x3,2x25,4	1	70184**30416**

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

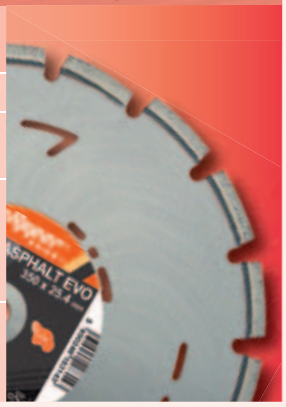
Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

BETTER

SUPER ASPHALT EVO

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

FEATURES	BENEFITS
Laser-welded diamond blade with 7mm segment height	
Features the innovative patent-pending "depth of cut indicator"	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
High-quality diamond blade for professional requirements	Slant segments protect against undercutting giving excellent performance



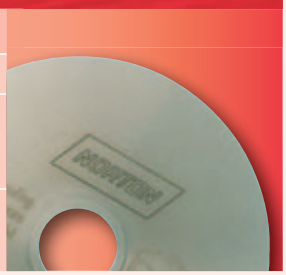
ASPHALT & ABRASIVE MATERIALS

DIA (mm)	HxTxB (mm)	PK QTY	SUPER ASPHALT EVO BETTER
300	7,0x2,8x25,4	1	7018462**3184**
350	7,0x3,2x25,4	1	7018462**3186**

QUICKFIX REDUCTION RINGS

For use only with petrol saws

FEATURES	BENEFITS
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	Can reduce inventory



QUICKFIX REDUCTION RINGS

DIA (mm)	BORE (mm)	PK QTY	QUICKFIX
103	25,4/22,23	1	7018462**2589**
	25,4/22,23/20	1	7018462**3894**

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

PRODUCT SELECTION

USAGE KEY

■ Highly recommended

◧ R ecommended

	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	◧	■	
Rienforced 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

MASONRY SAWS MULTI-PURPOSE

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
Designed to cut the widest range of materials	Less need for blade changing so reduced down time & increased productivity
Features the innovative patent-pending "depth of cut indicator"	Helps optimise cutting speed & blade life in step-cutting
Special patent-pending ellipsoid gullets & specially treated steel centre	Increase fatigue resistance Directional arrows show the way of rotation for easy mounting
Not recommended for steel parts thicker than 5mm	

NORTON SAINT-GOBAIN

MULTI-PURPOSE

			4x4 EXPLORER	
DIA (mm)	HxTxB (mm)	PK QTY	INNOVATION	BEST
300	10,0x2,8x25,4	1		701846**22937**
350	10,0x3,0x25,4	1		701846**22939**
400	10,0x3,2x25,4	1		701846**23899**
450	10,0x3,4x25,4	1		701846**25430**

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

INNOVATION

BEST

SILENCIO

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

FEATURES	BENEFITS
Patent-pending offset gullets* prevent air from flowing through the steel-centre gullets	The blade does not whistle at all while running idle, for a much better comfort of the operator and the surrounding area
Sandwich steel-centre with newly developed absorbing material	The Norton Silencio features unprecedented noise-dampening effect, reaching reductions of up to 15dB – 30 times less noise !!
Up to 17mm high segments, with a bespoke specification for each different application	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

BEST

FMD DUO

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

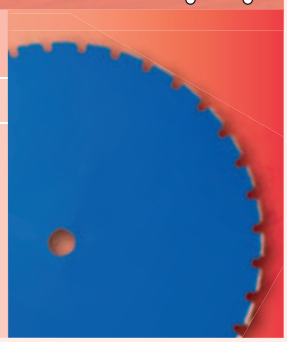
FEATURES	BENEFITS
Laser-welded diamond blade	
12mm segment height	Long product life
High quality diamond blade	Extremely high cutting speed
Trapezoidal segments	Provide the quality of cut of a continuous rim with the safety of a laser-welded blade

BETTER

BS-U

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

FEATURES	BENEFITS
Brazed, segmented diamond blade	Ideal for abrasive to medium hard material



GOOD

ALFA

For use on general purpose masonry materials

FEATURES	BENEFITS
Laser-welded diamond blade	Ideal for abrasive to medium hard material
Good performance	Good product life & high cutting speed

GENERAL PURPOSE BUILDING MATERIALS

			SILENCIO	FMD DUO	BS-U	ALFA
DIA (mm)	HxTxB (mm)	PK QTY	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**	

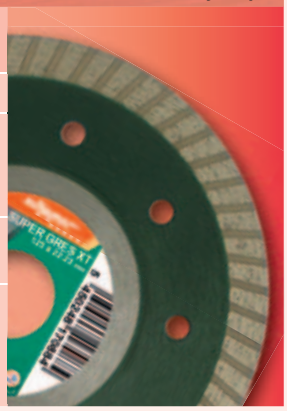
Dimensions Key: DIA = Diameter, H = Height, T = Thickness, B = Bore

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 ■ The best quality of cut & cutting speed even on the hardest tiles
■ Additional metal flanges	■ Prevent wobbling of the steel-centre during the cut
■ 10mm continuous rim	■ Longer product life

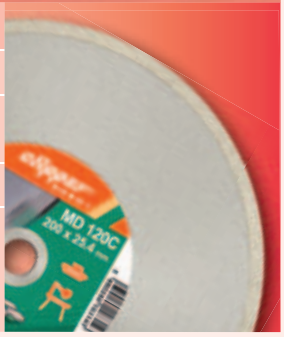


BETTER

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



CERAMIC & STONE TILES

			SUPER GRES XT	MD120C
DIA (mm)	HxTxB (mm)	PK QTY	BEST	BETTER
180	9,0x1,6x25,4	1		70184**25561**
200	10,0x1,6x25.4	1	70184**25427**	
	9,0x1,6x25,4	1		70184**25093**
250	10,0x1,6x25,4	1	70184**25428**	
	9,0x1,6x25,4	1		70184**25097**
300	10,0x1,8x25,4	1	70184**25429**	
	9,5x2,0x25,4	1		70184**25098**
350	9,5x2,0x25,4	1		70184**25100**

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

NORTON SAINT-GOBAIN

PRODUCT SELECTION

USAGE KEY

Hi ghly recommended

R ecommended

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							

TILE SAWS CERAMIC & STONE TILES

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	
Economy range	Value for money

NORTON
SAINT-GOBAIN

CERAMIC & STONE TILES

			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 ■ Highly recommended ◧ R ecommended	BETTER	GOOD
	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

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

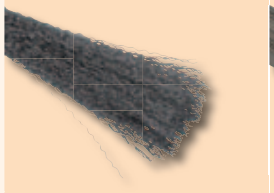
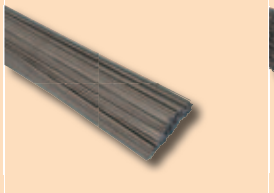
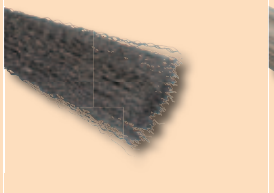
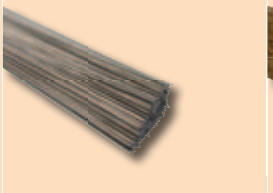
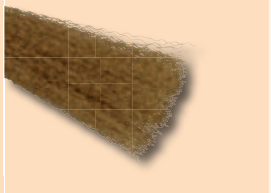
Wire Brushes, Burrs, Cleaning & Polishing Products, Tapes

INTRODUCTION

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 bruches.

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 smooting 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** STainless Steel Crimped Wire	**STSKW** STainless Steel Knotted Wire	**STSSW** STainless 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 widthes 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

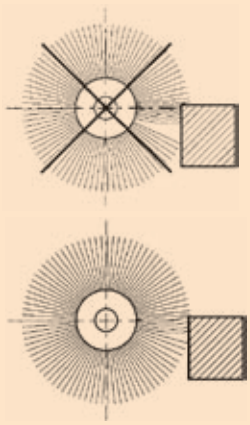
TYPE	DIAMETER (mm)	MAX RPM
BEVEL BRUSHES	100	11000
	100/115	11000
	115	10000
TWIST KNOTTED WHEEL BRUSHES	100	11000
	115	11000
	125	10000
	150/180	8500
	200	6500
SHAFT MOUNTED WIRE BRUSHES	20	20000
	30	20000
	40	18000
	50	15000
	60	15000
	70	15000
	80	12000

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	▪ Increase trim length ▪ Reduce wire diameter ▪ Reduce operating speed
Brush is not aggressive enough	▪ Reduce trim length ▪ Increase wire diameter ▪ Increase operating speed
Action of brush does not totally remove scale	▪ Reduce trim length ▪ Increase wire diameter
Finish is to coarse	▪ Increase trim length ▪ Reduce wire diameter ▪ Increase operating speed ▪ Choose a nylon abrasive brush
Finish is to smooth	▪ Reduce trim length ▪ Increase wire diameter
Action of brush is not uniform	▪ Reduce brushing pressure ▪ Automate operations to avoid human inaccuracy
Wire breaks more than usual	▪ Reduce brushing pressure ▪ Reduce wire diameter ▪ Reduce operating speed
Life of the brush is too short	▪ 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.

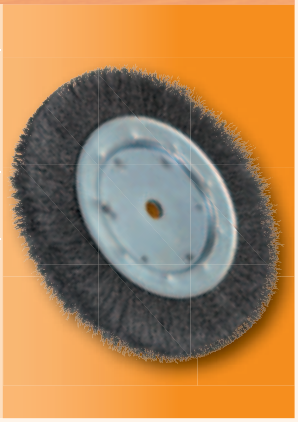
METAL REDUCING FLANGES FOR WHEEL BRUSHES

SIZE (mm) R³ x A	PK QTY	ART. NO.
20 x 13	1	662544**06503***
20 x 16	1	662544**06501***
30 x 13	1	662544**06500***
30 x 16	1	662544**06487***
30 x 20	1	662544**06486***
30 x 25,4	1	662544**06484***
50,8 x 30	1	662544**06482***
50,8 x 32	1	662544**06481***
80 x 30	1	662544**06478***
80 x 32	1	662544**06476***
80 x 50,8	1	662544**06472***
100 x 30	1	662544**06468***
100 x 32	1	662544**06467***
100 x 50,8	1	662544**06457***
120 x 30	1	636425**89202***
120 x 32	1	636425**89203***
120 x 50,8	1	636425**89204***

* Made-to-order

BRUSHES FOR BENCH GRINDERS

FEATURES	BENEFITS
Wheel brushes are ideal for removing corrosion, rust, hardened paints & hard adhesive residues	Can be used universally on all kinds of applications (tubes, corners, angles)
Twist Knotted Wire is ideal for heavier applications	Good surface finish, especially smaller diameter wheels
Crimped Wire is ideal for lighter applications	Good price/performance ratio



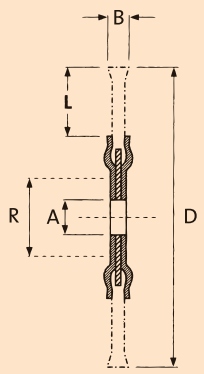
WHEEL BRUSHES (WHB)

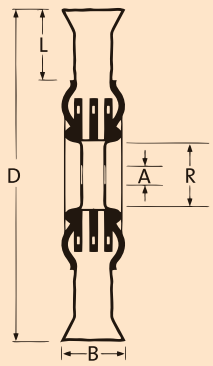
NORMAL STEEL CRIMPED WIRE (NOSCW) - 1 ROW

SHAPE	D	B	A	R	WIRE Ø	ROW	L	PK QTY	ART. NO.
WHB	100	11	12	20	0,30	1R	T22	1	662544**06455***
	125	11	12	20	0,30	1R	T34	1	662544**06454**
	150	13	12	32	0,30	1R	T34	1	662544**06453**
	180	13	12	50,8	0,30	1R	T33	1	662544**06452**
	200	13	12	50,8	0,30	1R	T43	1	662544**06451**

* 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	66254**06450**
	125	24	20	30	0,20	2R	T36	1	66254**06409**
	150	29	32	51	0,20	2R	T27	1	66254**06407**
	180	22	32	51	0,20	2R	T42	1	66254**06403**
	200	26	32	80	0,20	2R	T40	1	66254**06401**
	80	15	20	20	0,30	2R	T20	1	66254**06399**
	100	20	20	30	0,30	2R	T24	1	66254**06284**
	100	28	20	30	0,30	3R	T24	1	66254**06283***
	125	24	20	30	0,30	2R	T36	1	66254**06282**
	150	18	32	51	0,30	2R	T27	1	66254**06265**
	150	29	32	51	0,30	2R	T27	1	66254**06264**
	180	22	32	51	0,30	2R	T42	1	66254**06263**
	180	28	32	51	0,30	2R	T42	1	66254**06259**
	200	26	32	80	0,30	2R	T40	1	66254**06255**
	200	36	32	80	0,30	3R	T40	1	66254**06243**
	250	32	50,8	100	0,30	2R	T50	1	66254**06241**
	300	32	50,8	100	0,30	2R	T60	1	66254**06240***
	150	29	32	51	0,50	2R	T27	1	66254**06239***
	180	28	32	51	0,50	3R	T42	1	66254**06237***
	200	26	32	80	0,50	2R	T40	1	66254**06216**
	250	38	50,8	100	0,50	3R	T50	1	66254**06214**

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	66254**06211***
	125	24	20	30	0,30	2R	T36	1	66254**06208**
	150	18	32	51	0,30	2R	T27	1	66254**06206**
	150	29	32	51	0,30	3R	T27	1	66254**06203**
	180	22	32	51	0,30	2R	T42	1	66254**06199**
	180	28	32	51	0,30	3R	T42	1	66254**06196**
	200	26	32	80	0,30	2R	T40	1	66254**06187**

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	66254**14433***

* 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	662544**06185**
	115	11	22,2	0,35	T23	1	662544**06180**
	125	13	22,2	0,35	T28	1	662544**06178**
	178	15	22,2	0,35	T35	1	662544**06175**
	115	11	M14	0,35	T23	1	662544**06173**
	125	13	M14	0,35	T28	1	662544**06172**
	100	11	22,2	0,50	T22	1	662544**06170***
	115	11	22,2	0,50	T23	1	662544**06167**
	125	13	22,2	0,50	T28	1	662544**06166**
	150	12	22,2	0,50	T34	1	662544**06164**
	178	15	22,2	0,50	T35	1	662544**06163**
	115	11	M14	0,50	T23	1	662544**06160**
	125	13	M14	0,50	T28	1	662544**06158**
	178	15	M14	0,50	T44	1	662544**06155**

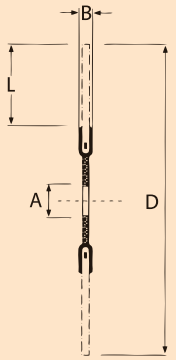
STAINLESS STEEL TWIST KNOTTED WIRE (STSKW)

SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
WHB	115	11	22,2	0,50	T23	1	662544**06153**
	125	11	22,2	0,50	T23	1	662544**10928***
	178	15	22,2	0,50	T35	1	662544**06152****

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	BENEFITS
Larger diameter brushes for heavier applications	Cup brush ideal for brushing larger surfaces
Smaller diameters brushes for finer applications	Good price/performance ratio
Twist Knotted Wire is ideal for pipes	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	662544**06149**
	115	15	M14	0,50	T27,5	1	662544**06147**

STAINLESS STEEL TWIST KNOTTED WIRE (STSKW)

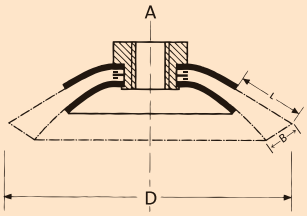
SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
BEB	100	10	M14	0,50	T20	1	662544**06146**
	115	15	M14	0,50	T27,5	1	662544**06144**

NORMAL STEEL CRIMPED WIRE (NOSCW)

SHAPE	D	B	A	WIRE Ø	L	PK QTY	ART. NO.
BEB	100	13	M14	0,30	T20	1	662544**06142**
	115	15	M14	0,30	T20	1	662544**06109**

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

SHAPE KEY



CUP BRUSHES (CPB)

NORMAL STEEL TWIST KNOTTED WIRE (NOSKW)

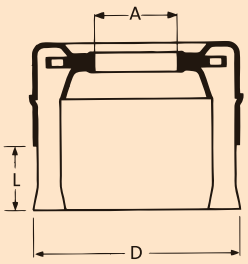
SHAPE	D	A	WIRE Ø	L	PK QTY	ART. NO.
CPB	65	M10	0,35	T20	1	66254**06107**
	65	M14	0,35	T20	1	66254**06104**
	80	M14	0,35	T25	1	66254**06102**
	100	M14	0,35	T25	1	66254**06099**
	120	M14	0,35	T25	1	66254**06097**
	65	M14	0,50	T20	1	66254**06095**
	80	M14	0,50	T25	1	66254**06094**
	80	5/8"	0,50	T25	1	66254**06091***
	100	M14	0,50	T25	1	66254**06088**
	100	5/8"	0,50	T25	1	66254**06086**
	120	M14	0,50	T25	1	66254**06084**
	80	M14	0,80	T25	1	66254**06082**
	80	5/8"	0,80	T25	1	66254**06079***
	100	M14	0,80	T25	1	66254**06076**
	120	M14	0,80	T25	1	66254**06070**

STAINLESS STEEL TWIST KNOTTED WIRE (STSKW)

SHAPE	D	A	WIRE Ø	L	PK QTY	ART. NO.
CPB	65	M14	0,50	T20	1	66254**06068**
	80	M14	0,50	T25	1	66254**06067**
	100	M14	0,50	T25	1	66254**06065***

* 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	BENEFITS
Ideal for medium force brushing	For difficult-to-reach areas (holes, tubes)
Available in crimped and knotted wire	Steady brushing
Inox wire contains less oil	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	662544**04872**
	20	9	6	0,20	T3	10	662544**04903**
	30	6	6	0,20	T6,5	10	662544**04875**
	30	9	6	0,20	T6,5	10	662544**04876**
	40	9	6	0,20	T9	10	662544**04879**
	40	13.5	6	0,20	T9	10	662544**04904**
	50	10	6	0,20	T12.5	10	662544**04880**
	50	15	6	0,20	T12.5	10	662544**04881**
	60	10	6	0,20	T17.5	10	662544**04884**
	60	15	6	0,20	T17.5	10	662544**04885**
	70	10	6	0,20	T19	10	662544**04886**
	70	15	6	0,20	T19	10	662544**04887**
	80	10	6	0,20	T19	10	662544**04889**
	80	20	6	0,20	T19	10	662544**04905**
	50	10	6	0,30	T12.5	10	662544**04891**
	50	15	6	0,30	T12.5	10	662544**04893**
	60	10	6	0,30	T17.5	10	662544**04894**
	60	15	6	0,30	T17.5	10	662544**04897**
	60	20	6	0,30	T17.5	10	662544**11025***
	70	10	6	0,30	T19	10	662544**04899**
	70	15	6	0,30	T19	10	662544**04900**
	80	20	6	0,30	T19	10	662544**04907**

* 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	662544**04909**
	40	9	6	0,20	T9	10	662544**04910**
	40	13.5	6	0,20	T9	10	662544**04912**
	50	10	6	0,20	T12.5	10	662544**04915**
	50	15	6	0,20	T12.5	10	662544**05238**
	60	10	6	0,20	T17.5	10	662544**05269**
	60	15	6	0,20	T17.5	10	662544**05270**
	70	10	6	0,20	T19	10	662544**05271**
	70	15	6	0,20	T19	10	662544**05390**
	80	20	6	0,20	T19	10	662544**05392**
	60	10	6	0,30	T17.5	10	662544**05393**
	60	15	6	0,30	T17.5	10	662544**05394**
	70	10	6	0,30	T19	10	662544**05395**
	70	15	6	0,30	T19	10	662544**05396**
	80	20	6	0,30	T19	10	662544**05398**

BRASS CRIMPED WIRE (BRACW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
WHB	30	9	6	0,20	T6.5	10	662544**05400**
	40	9	6	0,20	T9	10	662544**05401**
	50	15	6	0,20	T12.5	10	662544**05397**
	60	15	6	0,20	T17.5	10	662544**05402**
	70	15	6	0,20	T19	10	662544**05403**
	80	20	6	0,20	T19	10	662544**05405**

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	662544**05406**
	70	15	6	0,50	T15	12	662544**05407**

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	662544**05408**
	17	65	6	0,20	T22	12	662544**05409**
	12	60	6	0,30	T20	12	662544**05410**
	17	65	6	0,30	T22	12	662544**05411**
	24	68	6	0,30	T25	12	662544**05412**
	30	68	6	0,30	T25	12	662544**05413**

STAINLESS STEEL CRIMPED WIRE (STCSW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	12	60	6	0,30	T20	12	662544**05414**
	17	65	6	0,30	T22	12	662544**05415**
	24	68	6	0,30	T25	12	662544**05418**
	30	68	6	0,30	T25	12	662544**05419**

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	662544**05421**
	22	68	6	0,35	T28	12	662544**05422**
	28	68	6	0,50	T28	12	662544**05423**

STAINLESS STEEL KNOTTED WIRE (STSKW) - HIGH SPEED

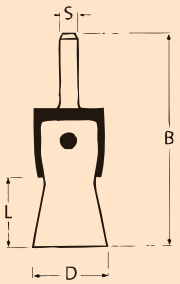
SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	19	68	6	0,25	T28	12	662544**05424***
	22	68	6	0,25	T28	12	662544**05425**

BRASS CRIMPED WIRE (BRACW)

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	24	68	6	0,30	T25	12	662544**05427**

SPECIALTIES

SHAPE	D	B	SHANK	WIRE Ø	L	PK QTY	ART. NO.
ENB	50	63	6	0,30	T20	5	662544**05428**
	70	68	6	0,30	T25	5	662544**05429**
	10	120	6	0,30	T20	10	662544**05430**

* Made-to-order

SHAPE KEY