

NORTON QUANTUM

Shape	Dimension DIAxL(mm)	Spindle DIAxL(mm)	MOS (RPM)	Pack Qty	Specification	Article No.
Shape A						
A1	20 x 65	6X40	15000	10	3NQ 80-OVQN	61463688951
A5	20 x 28	6X40	30000	10	3NQ 80-OVQN	61463688954
A11	21 x 45	6X40	18000	10	3NQ 80-OVQN	61463620969
A21	25 X 25	6X40	25000	10	3NQ 80-OVQN	61463688956
A23	20 X 25	6X40	25000	10	3NQ 80-OVQN	61463689937
A26	16 X 16	6X40	54000	10	3NQ 80-OVQN	61463688957
A36	40 X 10	6X40	25000	10	3NQ 80-OVQN	61463688960
A39	20 X 20	6X41	25000	10	3NQ 80-OVQN	61463689938
Shape B						
B52	10 X 20	3X40	41000	10	3NQ 80-OVQN	61463688963
B97	3 X 10	3X40	90000	10	3NQ 80-OVQN	61463688964
B122	10 X 3	3X40	58000	10	3NQ 80-OVQN	61463688965
B131	13 X 13	3X40	58000	10	3NQ 80-OVQN	61463689939
Shape W						
W153	5 x 10	3x40	73000	10	3NQ 80-OVQN	61463697526*
W154	5 x 13	3x40	70000	10	3NQ 80-OVQN	61463688966
W162	6 x 10	3x40	61000	10	3NQ 80-OVQN	61463697527*
W162	6 x 10	6x40	61000	10	3NQ 80-OVQN	61463697672*
W164	6 x 20	3x40	41000	10	3NQ 80-OVQN	61463688967
W169	8 x 10	3x40	61000	10	3NQ 80-OVQN	61463697605*
W177	10 x 20	6x40	41000	10	3NQ 80-OVQN	61463697673*
W178	10 x 25	6x40	41000	10	3NQ 80-OVQN	61463697675*
W185	13 x 13	6x40	58000	10	3NQ 80-OVQN	61463688969
W195	16 x 20	6x40	47000	10	3NQ 80-OVQN	61463697610*
W196	16 x 25	6x40	35000	10	3NQ 80-OVQN	61463697835*
W207	20 x 40	6x40	24000	10	3NQ 80-OVQN	61463697628*
W215	25 x 3	3x40	38000	10	3NQ 80-OVQN	61463688973
W222	25 x 50	6x40	19000	10	3NQ 80-OVQN	61463697689*

Made-to-order *

NORTON NORZON

Shape	Dimension DIAxL(mm)	Spindle DIAxL(mm)	MOS (RPM)	Pack Qty	Specification	Article No.
Shape A						
A1	20x65	6x40	15000	10	NZ 24	61463689077
A3	22x70	6x40	14000	10	NZ 24	61463689079
A5	20x28	6x40	30000	10	NZ 24	61463689081
A11	21x45	6x40	18000	10	NZ 24	61463689082
Shape W						
W177	10x20	6x40	66000	10	NZ 24	61463689084
W178	10x25	6x40	55200	10	NZ 24	61463689085
W189	13x50	6x40	30370	10	NZ 24	61463689089
W188	13x40	6x40	30370	10	NZ 24	61463689090
W204	20x20	6x40	42750	10	NZ 24	61463689091
W205	20x25	6x40	34500	10	NZ 24	61463689093
W207	20x40	6x40	24000	10	NZ 24	61463689095
W220	25x25	6x40	25500	10	NZ 24	61463689097
W221	25x40	6x40	19120	10	NZ 24	61463689098
W230	32x32	6x40	24000	10	NZ 24	61463689099
W236	40x13	6x40	25130	10	NZ 24	61463689100
W242	50x25	6x40	19100	10	NZ 24	61463689101

MOUNTED POINT KITS

Size	Dimension Spindle (mm)	Style	Kit Contents Per shape	Article No.
Norton Quantum				
10pc Assorted	6	1 pc of each	A1, A5, A11, A21, A23, A26, A36, A39, W242 Norton Quantum (and BF3 W220 A80-HBF3 - for polishing scratches from NQ)	61463692247
10pc Assorted	3	1 pc of each	B42, B52, B97, B122, B131, W154, W164, W185, W215 Norton Quantum (and BF3 W163 A80-HBF3 - for polishing scratches from NQ)	61463692248
Norton NorZon				
5pc Assorted	6	1 pc of each	A1, A3, A5, A11, W220, NZ24	66253145961

NORTON

SAINT-GOBAIN

HIGH PERFORMANCE MOUNTED POINTS



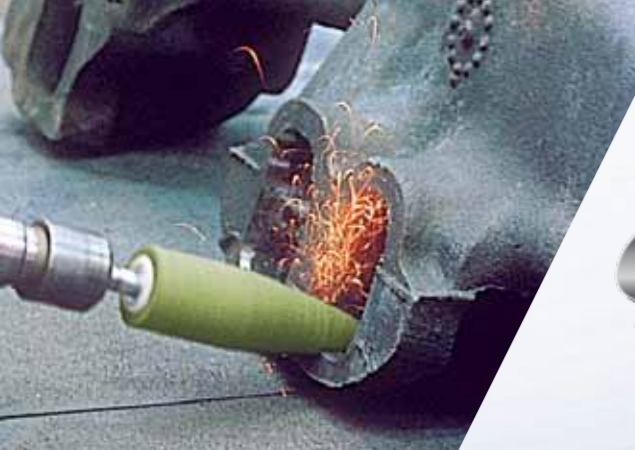
NORTON
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QUANTUM

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NORZON

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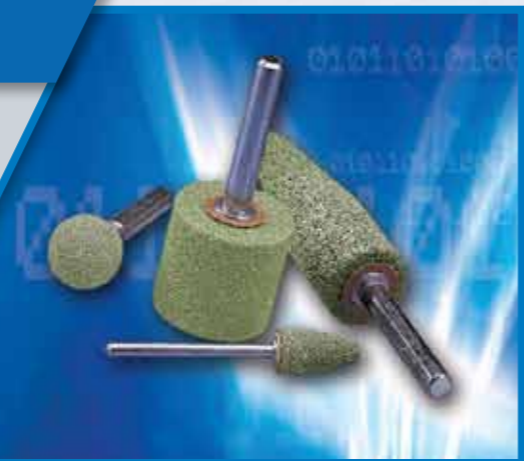


QUANTUM

NORTON QUANTUM MOUNTED POINTS

High quality pre-engineered vitrified mounted points available in a full range of standard shapes and spindles.

Take a leap ahead with this **revolutionary ceramic abrasive grain technology** for more aggressive grinding.



Markets and applications

- Foundry
- Aerospace
- Inconel, titanium, stainless steel, & cast iron
- Turbine blade components
- Finishing final geometry to create a uniform finish

Features

- Unique, engineered ceramic grain shape that fractures under less pressure
- Proven bond technology

Benefits

- Ideal for high volume foundry operations
- Minimal loading and heat build-up
- 33%+ longer life vs. competitor ceramic products
- 30%+ higher metal removal rates
- Versatile, optimised for all low, medium and high force applications
- Exceptional productivity and life

Top tip

- Less pressure is needed to get optimum performance... let the Quantum grain do the work!
- Start with minimal pressure then gradually build up.

Case study

Part Information

Application: Turbine engine component
 Material: Variety of aerospace alloys, including inconel
 Process: Refurbishing worn or damaged components, removing casting flashing, attain final geometry and creating uniform finish

Product recommendation

Specification: 3NQ60-PVQN – for aggressive material removal
 3NQM80-RVQN, 3NQM100-RVQN or 3NQM120-QVQN – for small and narrow shapes/light material removal

Results

Total mounted point consumption reduced and productivity increased (less time spent changing mounted points):
 66% annual cost savings on abrasive, 114,000 pieces annual usage dropped down to 41,218 pieces and 404 hours saved due to less mounted point change overs.

NORZON

NORTON NORZON MOUNTED POINTS

NorZon (NZ24) resin bond mounted points are ideal for fast stock removal in tough, aggressive applications, available in a full range of standard shapes and spindles.



Markets and applications

- Foundry
- Steel Mills
- Tool Industry

Features

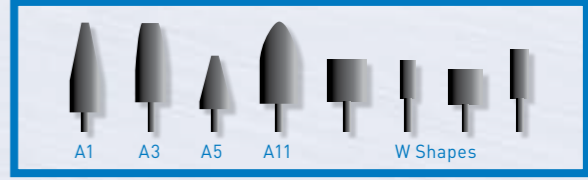
- NorZon zirconia alumina self-sharpening abrasive and durable organic bond

Benefits

- 4x faster stock removal than competitive aluminium oxide products
- Longer lasting

Top tip

- Use "A" shapes for medium to heavy-duty blending
- Use "W" shapes for offhand and precision grinding of medium to heavy stock



Case study

Part Information

Application: Sand cast pump housings
 Material: Stainless steel alloy
 Process: Off-hand grinding

Product recommendation

Specification: NNZ24-UBXR1 - Zirconia alumina (NorZon, NZ) in a coarse grit, hard resin bond.

Results

The Norton mounted point removed twice as much metal in the same amount of time and lasted more than two times longer than the competitor product.

Sample Kits

- Sample kits available in both Norton Quantum and NorZon mounted points
- Compare the difference in performance to standard products
- The kit includes a BF3 cotton fibre mounted point for blending and finishing of grind marks created by the abrasive

