

Rubber injection molded with premium diamond beads for long life on a variety of general purpose applications.

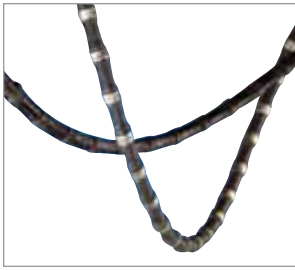
Plastic molded and electroplated diamond beads allow the fastest cut on metal materials. Ideal for applications with high steel reinforcement

Plastic injection molded it cuts freely in aggregate or concrete materials with a high metal content.

## Diamond Wire

For best results on your next diamond wire job, rely on the name you have come to trust in diamond blades and bits. Norton multi-strand diamond wire uses high-quality diamond beads for exceptional performance and life. Specifically designed and tuned for cutting cured concrete and steel-reinforced concrete. Three types of wire are available in continuous lengths to meet most job applications. Sold in multiples of 50 feet.





**DIAMOND WIRE**

UPC	SIZE	SEGMENT SPEC
701846 <b>90018</b> 8	.0414" (10.5mm)	Rubber Injection Molded – General Purpose
701846 <b>90019</b> 5	.0413" (10.5mm)	Plastic Molded, Electroplated – High Steel
701846 <b>90014</b> 0	.0440" (11.2mm)	Plastic Molded, (MSL) – High Metal Content



**Wire Twist Recommendation**

To ensure maximum life and to allow the diamond beads to wear round it is critical to the application to twist at least once for every three feet of wire. Increase the number of twists per the chart below.

WIRE LENGTH	WIRE DIAMETER 0.440" (11.2MM)	WIRE DIAMETER 0.413" (10.55MM)
25 feet	8	10
50 feet	17	21
75 feet	25	31
100 feet	33	40



**Wire Speed Versus Flywheel Diameter**

Following are the correct wire speed for various flywheel diameters.

FLYWHEEL DIAMETER	RPM
24"	600-750
30"	475-600
36"	400-500

**PRESTRESSED DIAMOND BLADES**

Prestressed blades are available in diameters ranging from 24" to 48". These specially formulated blades provide superior cutting performance in steel-reinforced prestressed concrete.

**Size Availability**

24"	26"	30"	32"	36"	42"	48"
24 x .190	26 x .190	30 x .190	32 x .190	36 x .190	42 x .190	48 x .190
24 x .220	26 x .220	30 x .220	32 x .220	36 x .220	42 x .220	48 x .220
24 x .250	26 x .250	30 x .250	32 x .250	36 x .250	42 x .250	48 x .250
24 x .312	26 x .312	30 x .312	32 x .312	36 x .312	42 x .312	48 x .312

ADDITIONAL BLADE SIZES AVAILABLE UPON REQUEST. CUSTOM ARBOR SIZES AVAILABLE.

**Diamond Depths**

PS6	PS7	PS8
.350 diamond depth	.400 diamond depth	.450 diamond depth

**SAFETY TIPS**



- Always check diamond wire for broken strands or other flaws before engaging.
- Provide a rounded edge for starting and finishing. This procedure reduces added stress to wire.
- Water should be introduced at the beginning of the cut and throughout the cut. Vertical cuts should be directed so as to allow the water to flow with gravity.

**REFRACTORY DIAMOND BLADES**

Diamond refractory blades are used primarily in the refurbishment and restoration of refractory furnaces. Refractory blades offered by Norton are manufactured to meet the unique high demands of this extremely hard material. See our refractory diamond blade stock offering on pages 66 – 68 of the Masonry section of this catalog.

**JOINT WIDENING BLADES**

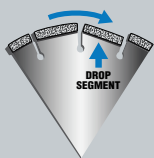
Norton joint widening blades are available in multiple widths and provide maximum application performance allowing quick completion of any job. With specifications ranging from soft and very abrasive to very hard materials we have a specification that will get the job done.

Size Availability	
<b>12"</b>	<b>14"</b>
12 x .155	14 x .155
12 x .175	14 x .175
12 x .190	14 x .190
12 x .220	14 x .220
12 x .250	14 x .250
12 x .375	14 x .375
12 x .500	14 x .500

ADDITIONAL BLADE SIZES AVAILABLE UPON REQUEST. 1" ARBOR WITH DRIVE PIN HOLE STANDARD. CUSTOM ARBOR SIZES AVAILABLE.


Diamond Depths		
<b>J6</b>	<b>J7</b>	<b>J8</b>
.350 diamond depth	.400 diamond depth	.450 diamond depth

**Undercutting Options**



**(RDS) Radius Drop Segment**

Optional Radius Drop Segments (RDS) protect each blade from damaging effects of undercutting and are available at no extra charge.



**Inserts**

(S) = Inserts on every fourth landing.  
(H) = Inserts on every other landing.

**BEVEL BLADES**

Norton bevel blades are specifically designed to maintain the correct bevel angle required. These blades are used in pairs with each blade having a 45 degree angle giving the user a 90 degree bevel in the cut.

Size Availability	
<b>8"</b>	<b>12"</b>
8 x .500	12 x .500
8 x .750	12 x .750

BEVEL BLADES ARE USED IN PAIRS WITH EACH BLADE HAVING A 45 DEGREE ANGLE RESULTING IN A 90 DEGREE BEVEL CUT. SIZES INDICATED ABOVE ARE FOR THE COMBINED WIDTH OF THE PAIRED BLADES.

Diamond Depths	
<b>A4</b>	<b>A5</b>
.250 diamond depth	.300 diamond depth

**RANDOM CRACK SAW BLADES**

Random Crack Saw Blades are used to prepare random cracks during resealing applications. Inserts available to prolong blade life.

Size Availability
<b>8"</b>
8 x .250
8 x .375
8 x .500

1" ARBOR WITH DRIVE PIN HOLE STANDARD.

Diamond Depths
<b>AC4</b>
.250 diamond depth

**PLOW BLADES FOR JOINT CLEANING**


Designed for your specific application and equipment. Used in pairs for removal of joint sealants. Result is a smooth surface for resealing.

Size Availability	
<b>12"</b>	<b>14"</b>
12 x .190	14 x .190
12 x .220	14 x .220
12 x .250	14 x .250

1" ARBOR WITH DRIVE PIN HOLE STANDARD.

Diamond Depths
<b>AP4</b>
.250 diamond depth
<b>AP6</b>
.350 diamond depth


**Undercutting Options**



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**Undercutting Options**



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