

**Important Note**—JRM will be transitioning back to the 45-degree beveled edge for all of our deep solid tines only. The conventional solid tines will still feature the 360-degree “bullet-tip”. It was determined that the beveled edge wears better in hard, rocky conditions prevalent in many fairways.

**Deep tine overview**—JRM deep tines have become an industry standard over the past 13 years. All JRM deep tines are made from the finest steel available and to exacting standards. The DILLENNIUM® deep tine is an excellent option in many situations and can save you both time and money. A DILLENNIUM® tine should be chosen for ground that is aerified on a regular basis, or greens and fairways that have little or no rock. If one is likely to bend or break a large number of deep tines (greater than 30%), then the JRM Premium deep tine will be the better option.

**Deep tines many uses**—The use of deep tines are not restricted to the golf course. Many landscapers, service and/or sports field contractors employ the use of a deep tine aerifier. A 13/16” or 1” solid coring tine and/or a 1/2” or 3/4” solid deep tine is extremely popular on baseball and football fields as well as horse racing tracks.

**Deep tine machines**—JRM offers a full line of deep tine options for VERTI-DRAIN® (page 31), Soil Reliever® (page 32), and Wiedenmann® (page 33). The different lines are broken down separately in the catalog. Our deep solid tines are located on page 33. When choosing a Wiedenmann® tine, first determine whether you need a dimpled mount, or a screw mount. Our screw mount is described as a 1:10 conical screw mount.

**Metric sizing**—Most deep tines have metric sizing for the shank diameter as all the deep tine manufacturers originate outside the United States. The two most popular shank options are the 12mm (.472”), considered a 1/2” equivalent, and the 18mm (.708”), considered a 3/4” equivalent.

**Replacement tubes**—To save money, a majority of our line features a removable shank and roll pin option. Once you order the full part and finish your initial aerification, you can pop out the roll pin, pull out the shank and order one of our replacement tubes on page 32 of our catalog, instead of re-ordering the full part for your next aerification.





**DEEP TINES**  
**for VERTI-DRAIN®**

*Fits VERTI-DRAIN® Only • Tines complete, includes shank, roll pin, and tube*

Part No.	JRM Description	Length Full/Tube	Mount Diameter	I.D.	O.D.	Wall	Price
1DT375101	Premium 3/8" fixed shank Deep Tine	6"/5"	5/16"	.240"	.330"	.060"	\$6.85
1DT375501	DILLENNIUM® 3/8" fixed shank Deep Tine	6.125"/5.125"	5/16"	.240"	.327"	.060"	\$12.25
1DT375102	Premium 3/8" Deep Tine	6"/5"	12mm	.250"	.440"	.060"	\$12.89
1DT500102	Premium 1/2" Deep Tine	6"/5"	12mm	.336"	.550"	.072"	\$15.78
1DT625103	Premium 5/8" Deep Tine	8.17"/7"	12mm	.400"	.625"	.072"	\$12.68
1DT625503	DILLENNIUM® 5/8" Deep Tine	8.40"/7.25"	12mm	.350"	.625"	.072"	\$19.31
1DT625105	Premium 5/8" fixed shank Deep Tine	8.17"/7"	12mm	.400"	.625"	.072"	\$11.13
1DT625505	DILLENNIUM® 5/8" fixed shank Deep Tine	8.40"/7.25"	12mm	.350"	.625"	.072"	\$17.39
1DT750101	Premium 3/4" Deep Tine	9.30"/8"	12mm	.450"	.750"	.095"	\$19.90
1DT750106	Premium 3/4" Deep Tine	11.375"/10"	12mm	.450"	.750"	.095"	\$22.20
1DT750506	DILLENNIUM® 3/4" Deep Tine	11.5"/10.25"	12mm	.450"	.750"	.095"	\$33.33
1DT750102	Premium 3/4" Deep Tine	9.77"/8"	18mm	.450"	.750"	.095"	\$19.90
1DT750105	Premium 3/4" Deep Tine	11.75"/10"	18mm	.450"	.750"	.095"	\$22.20
1DT750505	DILLENNIUM® 3/4" Deep Tine	12"/10.25"	18mm	.450"	.750"	.095"	\$33.33
1DT812111	Premium 13/16" Deep Tine	9.3"/8"	12mm	.510"	.812"	.105"	\$21.99
1DT812511	DILLENNIUM® 13/16" Deep Tine	9.55"/8.25"	12mm	.490"	.812"	.105"	\$31.94
1DT812103	Premium 13/16" Deep Tine	11.375"/10"	12mm	.510"	.812"	.105"	\$24.56
1DT812503	DILLENNIUM® 13/16" Deep Tine	11.5"/10.25"	12mm	.490"	.812"	.105"	\$28.30
1DT812105	Premium 13/16" Deep Tine	13.375"/12"	12mm	.510"	.812"	.105"	\$28.30
1DT812505	DILLENNIUM® 13/16" Deep Tine	13.5"/12.25"	12mm	.490"	.812"	.105"	\$38.41
1DT812110	Premium 13/16" Deep Tine	9.77"/8"	18mm	.510"	.812"	.105"	\$21.99
1DT812510	DILLENNIUM® 13/16" Deep Tine	10"/8.25"	18mm	.490"	.812"	.105"	\$31.94
1DT812102	Premium 13/16" Deep Tine	11.75"/10"	18mm	.510"	.812"	.105"	\$24.56
1DT812502	DILLENNIUM® 13/16" Deep Tine	11.75"/10.25"	18mm	.490"	.812"	.105"	\$34.51
1DT812108	Premium 13/16" Deep Tine	13.75"/12"	18mm	.510"	.812"	.105"	\$28.30
1DT812508	DILLENNIUM® 13/16" Deep Tine	14"/12.25"	18mm	.490"	.812"	.105"	\$38.41
1DT100101	Premium 1" Deep Tine	9.75"/8"	18mm	.625"	1"	.120"	\$28.03
1DT100104	Premium 1" Deep Tine	10.75"/9"	18mm	.625"	1"	.120"	\$29.48
1DT100105	Premium 1" Deep Tine	11.75"/10"	18mm	.625"	1"	.120"	\$30.66
1DT100505	DILLENNIUM® 1" Deep Tine	12"/10.25"	18mm	.590"	1"	.120"	\$42.53
1DT112104	Premium 1 1/8" Deep Tine	11.75"/10"	18mm	.750"	1.125"	.120"	\$33.92
1DT125104	Premium 1 1/4" Deep Tine	14"/12"	18mm	.812"	1.25"	.135"	\$39.16
1DT125504	DILLENNIUM® 1 1/4" Deep Tine	14.25"/12.25"	18mm	.800"	1.25"	.135"	\$44.99
1DT112106	Premium 1 1/8" Deep Tine	12.5"/10"	24mm	.750"	1.125"	.120"	\$33.92
1DT125103	Premium 1 1/4" Deep Tine	12"/10"	24mm	.812"	1.25"	.135"	\$36.81
1DT125105	Premium 1 1/4" Deep Tine	14"/12"	24mm	.812"	1.25"	.135"	\$39.16
1DT125505	DILLENNIUM® 1 1/4" Deep Tine	14.25"/12.25"	24mm	.812"	1.25"	.135"	\$44.99
Shanks are available for all non-Fixed shank Fairway Tines. Contact our Customer Service Department for the correct shank.							\$7.00
Roll Pins are available for all Fairway shanks. Contact our Customer Service Department for the correct roll pin.							\$1.10

DILLENNIUM®  Premium

*The JRM "use warranty" only covers conventional top-eject coring tines used on golf course greens (tees and fairways are specifically excluded).*

*Please note: As a matter of convention in the turf industry, all deep tine shanks are made to metric standards. The mounting blocks used by deep tine machine manufacturers are made to these metric sizes. This is not true of "conventional" aerifiers since most of these machines are made in the United States.*

## Deep Tines for Soil Reliever<sup>®</sup>

Fits Soil Reliever<sup>®</sup> Only • Tines complete, includes shank, roll pin, and tube

Part No.	JRM Description	Length Full/Tube	Mount Diameter	I.D.	O.D.	Wall	Price
1DT625104	Premium 5/8" Deep Tine	9"/7"	12mm	.400"	.625"	.072"	\$12.68
1DT625504	DILLENNIUM <sup>®</sup> 5/8" Deep Tine	9.25"/7.25"	12mm	.350"	.625"	.072"	\$19.31
1DT625106	Premium 5/8" fixed shank Deep Tine	9"/7"	12mm	.400"	.625"	.072"	\$11.13
1DT625506	DILLENNIUM <sup>®</sup> 5/8" fixed shank Deep Tine	9.25"/7.25"	12mm	.350"	.625"	.072"	\$17.31
1DT750107	Premium 3/4" Deep Tine	12"/10"	12mm	.450"	.750"	.095"	\$22.20
1DT750507	DILLENNIUM <sup>®</sup> 3/4" Deep Tine	12.25"/10"	12mm	.440"	.750"	.095"	\$33.33
1DT812104	Premium 13/16" Deep Tine	12"/10"	12mm	.510"	.812"	.105"	\$24.56
1DT812504	DILLENNIUM <sup>®</sup> 13/16" Deep Tine	12.25"/10.25"	12mm	.490"	.812"	.105"	\$34.51
1DT812107	Premium 13/16" Deep Tine	14"/12"	12mm	.510"	.812"	.105"	\$28.30
1DT812507	DILLENNIUM <sup>®</sup> 13/16" Deep Tine	14.5"/12.25"	12mm	.490"	.812"	.105"	\$37.99
1DT750108	Premium 3/4" Deep Tine	12"/10"	18mm	.450"	.750"	.095"	\$22.20
1DT750508	DILLENNIUM <sup>®</sup> 3/4" Deep Tine	12.25"/10"	18mm	.440"	.750"	.095"	\$33.33
1DT812106	Premium 13/16" Deep Tine	12"/10"	18mm	.510"	.812"	.105"	\$24.56
1DT812506	DILLENNIUM <sup>®</sup> 13/16" Deep Tine	12.25"/10.25"	18mm	.490"	.812"	.105"	\$34.51
1DT812109	Premium 13/16" Deep Tine	14"/12"	18mm	.510"	.812"	.105"	\$28.30
1DT812509	DILLENNIUM <sup>®</sup> 13/16" Deep Tine	14.25"/12.25"	18mm	.490"	.812"	.105"	\$38.41
1DT100107	Premium 1" Deep Tine	12"/10"	18mm	.625"	1"	.120"	\$30.66
1DT100507	DILLENNIUM <sup>®</sup> 1" Deep Tine	12.25"/10.25"	18mm	.590"	1"	.120"	\$42.53
1DT112105	Premium 1 1/8" Deep Tine	12"/10"	18mm	.750"	1.125"	.120"	\$33.92
1DT125102	Premium 1 1/4" Deep Tine	12"/10"	18mm	.812"	1.25"	.135"	\$36.22
1DT125104	Premium 1 1/4" Deep Tine	14"/12"	18mm	.812"	1.25"	.135"	\$39.16
1DT125504	DILLENNIUM <sup>®</sup> 1 1/4" Deep Tine	14.25"/12.25"	18mm	.800"	1.25"	.135"	\$44.99
1DT125103	Premium 1 1/4" Deep Tine	12"/10"	24mm	.812"	1.25"	.135"	\$36.81
Shanks are available for all non-Fixed shank Fairway Tines. Contact our Customer Service Department for the correct shank.							\$7.00
Roll Pins are available for all Fairway shanks. Contact our Customer Service Department for the correct roll pin.							\$1.10

The JRM "use warranty" only covers conventional top-eject coring tines used on golf course greens (tees and fairways are specifically excluded).

Please note: As a matter of convention in the turf industry, all deep tine shanks are made to metric standards. The mounting blocks used by deep tine machine manufacturers are made to these metric sizes. This is not true of "conventional" aerifiers since most of these machines are made in the United States.

DILLENNIUM<sup>®</sup>     Premium

## Replacement Tubes for Deep Tines

For Soil Reliever<sup>®</sup>-SR, VERTI-DRAIN<sup>®</sup>-VD, and Wiedenmann-W Replacement tubes-tubes only, includes roll pin

Part No.	JRM Description	Tube Length	Mount Diameter	Replacement Description	Price
3DT625103	Premium 5/8" replacement tube	7"	12mm	SR, VD, W	\$9.52
3DT625503	DILLENNIUM <sup>®</sup> 5/8" replacement tube	7.25"	12mm	SR, VD, W	\$13.91
3DT750101	Premium 3/4" replacement tube	8"	12mm, 18mm	SR, VD, W	\$15.78
3DT750104	Premium 3/4" replacement tube	9"	12mm, 18mm	SR, VD, W	\$16.96
3DT750105	Premium 3/4" replacement tube	10"	12mm, 18mm	SR, VD	\$16.80
3DT750505	DILLENNIUM <sup>®</sup> 3/4" replacement tube	10.25"	12mm, 18mm	SR, VD	\$26.91
3DT812101	Premium 13/16" replacement tube	8"	12mm, 18mm	SR, VD, W	\$16.59
3DT812501	DILLENNIUM <sup>®</sup> 13/16" replacement tube	8.25"	12mm, 18mm	SR, VD, W	\$26.54
3DT812100	Premium 13/16" replacement tube	10"	12mm, 18mm	SR, VD, W	\$19.15
3DT812500	DILLENNIUM <sup>®</sup> 13/16" replacement tube	10.25"	12mm, 18mm	SR, VD, W	\$29.10
3DT812110	Premium 13/16" replacement tube	12"	12mm, 18mm	SR, VD, W	\$21.61
3DT812510	DILLENNIUM <sup>®</sup> 13/16" replacement tube	12.25"	12mm, 18mm	SR, VD, W	\$33.01
3DT100104	Premium 1" replacement tube	9"	18mm	VD, SR	\$23.38
3DT100105	Premium 1" replacement tube	10"	18mm	SR, VD, W	\$24.56
3DT100505	DILLENNIUM <sup>®</sup> 1" replacement tube	10.25"	18mm	SR, VD, W	\$35.63
3DT100101	Premium 1" replacement tube	8"	24mm	SR, VD, W	\$22.20
3DT112104	Premium 1 1/8" replacement tube	10"	18mm	SR, VD	\$28.03
3DT125100	Premium 1 1/4" replacement tube	10"	18mm, 24mm	SR, VD	\$30.39
3DT125500	DILLENNIUM <sup>®</sup> 1 1/4" replacement tube	10.25"	18mm, 24mm	SR, VD	\$41.52
3DT125106	Premium 1 1/4" replacement tube	12"	18mm, 24mm	SR, VD	\$33.71
3DT125506	DILLENNIUM <sup>®</sup> 1 1/4" replacement tube	12.25"	18mm, 24mm	SR, VD	\$39.59
Shanks are available for all Fairway Replacement Tubes. Contact our Customer Service Department for the correct shank.					\$7.00
Roll Pins are available for all Fairway shanks. Contact our Customer Service Department for the correct roll pin.					\$1.10

The JRM "use warranty" only covers conventional top-eject coring tines used on golf course greens (tees and fairways are specifically excluded).

Important note: Our shanks cannot be used with OEM tubes and our tubes cannot be used with OEM shanks.



**Solid Deep Tines**

For Soil Reliever® and VERTI-DRAIN® solid deep tines

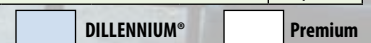
Part No.	JRM Description	Length Full/Tube	Shank Diameter	O.D.	Price
2DT200101	Premium 3/16" Solid Deep Tine	5.71"/4"	3/16"	.1875"	\$2.25
2DT250101	Premium 1/4" Solid Deep Tine	11.75"/10"	1/4"	.250"	\$4.01
2DT312102	Premium 5/16" Solid Deep Tine	7.934"/6"	5/16"	.3125"	\$2.68
2DT312103	Premium 5/16" Solid Deep Tine	9.25"/8"	5/16"	.3125"	\$3.69
2DT312105	Premium 5/16" Solid Deep Tine	11.75"/10"	5/16"	.3125"	\$3.80
2DT375101	Premium 3/8" Solid Deep Tine	11"/9.9"	5/16"	.3125"	\$3.91
2DT500102	Premium 1/2" Solid Deep Tine	8.16"/6"	12mm	.472"	\$3.53
2DT500105	Premium 1/2" Solid Deep Tine	12.6"/10"	12mm	.472"	\$6.15
2DT500106	Premium 1/2" Solid Deep Tine	14.6"/12"	12mm	.472"	\$6.74
2DT500107	Premium 1/2" Solid Deep Tine	16.6"/14"	12mm	.472"	\$8.51
2DT750104	Premium 3/4" Solid Deep Tine	10"/8"	18mm	.708"	\$7.95
2DT750105	Premium 3/4" Solid Deep Tine	12.875"/10"	18mm	.708"	\$9.26
2DT750106	Premium 3/4" Solid Deep Tine	14.875"/12"	18mm	.708"	\$10.06
2DT750107	Premium 3/4" Solid Deep Tine	16.6"/14"	18mm	.708"	\$11.61
2DT750108	Premium 3/4" Solid Deep Tine	18.5"/16"	18mm	.708"	\$12.73
2DT100103	Premium 1" Solid Deep Tine	18.7"/16"	24mm dimple	.945"	\$16.69

Part No.	JRM Description	Length	Mount Diameter	Blade Width	Thickness	Price
2B750125	Premium Bayonet™ 3/4" rib	7"	12mm	.750"	.190"	\$13.92
2B750145	Premium Bayonet™ 3/4" rib	9.5"	12mm	.750"	.190"	\$15.77
2B750156	Premium Bayonet™ 3/4" rib	11"	12mm	.750"	.190"	\$19.83
2WB750146	Premium Bayonet™ 3/4" rib	9.5"	12mm dimple	.750"	.190"	\$15.77
2B750126	Premium Bayonet™ 3/4" rib	7"	18mm	.750"	.190"	\$13.92
2B750157	Premium Bayonet™ 3/4" rib	11"	18mm	.750"	.190"	\$19.83

**Wiedenmann® Coring and Solid Deep Tines**

Part No.	JRM Description	Length Full/Tube	Mount Diameter	I.D.	O.D.	Wall	Price
1WT375101	Premium 3/8" fixed shank deep tine	6"/4.82"	8mm dimple	.250"	.440"	.064"	\$12.89
1WT375102	Premium 3/8" fixed shank deep tine	6.125"/4.82"	12mm dimple	.250"	.440"	.064"	\$12.89
1WT500102	Premium 1/2" fixed shank deep tine	5.615"/4.315"	12mm dimple	.335"	.550"	.072"	\$15.78
1WT625102	Premium 5/8" fixed shank deep tine	8.15"/7"	12mm dimple	.390"	.625"	.072"	\$15.78
1WT625502	DILLENNIUM® 5/8" fixed shank deep tine	8.4"/7.25"	12mm dimple	.395"	.625"	.072"	\$20.49
1WT812103	Premium 13/16" deep tine	7.3"/6"	12mm dimple	.510"	.812"	.105"	\$18.14
1WT812503	DILLENNIUM® 13/16" deep tine	7.3"/6"	12mm dimple	.490"	.812"	.105"	\$26.91
1WT812105	Premium 13/16" deep tine	10"/8"	12mm dimple	.510"	.812"	.105"	\$24.56
1WT812505	DILLENNIUM® 13/16" deep tine	10.25"/8.25"	12mm dimple	.490"	.812"	.105"	\$33.33
1WT812101	Premium 13/16" deep tine	11.3"/10"	12mm dimple	.510"	.812"	.105"	\$24.56
1WT812501	DILLENNIUM® 13/16" deep tine	11.58"/10.25"	12mm dimple	.490"	.812"	.105"	\$33.33
1WT812104	Premium 13/16" deep tine	10"/8"	1:10 cone mount	.510"	.812"	.105"	\$24.56
1WT812504	DILLENNIUM® 13/16" deep tine	10.25"/8.25"	1:10 cone mount	.490"	.812"	.105"	\$33.33
1WT812102	Premium 13/16" deep tine	12.6"/10"	1:10 cone mount	.510"	.812"	.105"	\$30.39
1WT812502	DILLENNIUM® 13/16" deep tine	12.85"/10.25"	1:10 cone mount	.490"	.812"	.105"	\$42.53
1WT100101	Premium 1" deep tine	10.5"/8"	12mm dimple	.625"	1"	.120"	\$26.11
1WT100104	Premium 1" deep tine	10.5"/8"	1:10 cone mount	.625"	1"	.120"	\$28.25
1WT100102	Premium 1" deep tine	12.6"/10"	1:10 cone mount	.625"	1"	.120"	\$30.39
1WT100502	DILLENNIUM® 1" deep tine	12.85"/10.25"	1:10 cone mount	.590"	1"	.120"	\$42.53
2WT312102	Solid 5/16" deep tine	7.875"/6"	8mm dimple	Solid	.312"	Solid	\$4.01
2WT312103	Solid 5/16" deep tine	7.875"/6.3"	8mm dimple	Solid	.312"	Solid	\$4.01
2WT312104	Solid 5/16" deep tine	9.25"/7.87"	8mm dimple	Solid	.312"	Solid	\$4.12
2WT312105	Solid 5/16" deep tine	11.75"/10.25"	8mm dimple	Solid	.312"	Solid	\$4.23
2WT500101	Solid 1/2" deep tine	9.5"/8"	12mm dimple	Solid	.472"	Solid	\$5.46
2WT500102	Solid 1/2" deep tine	12"/10.5"	12mm dimple	Solid	.472"	Solid	\$6.37
2WT500103	Solid 1/2" deep tine	14"/12.5"	12mm dimple	Solid	.472"	Solid	\$6.96
2WT750103	Solid 3/4" deep tine	8.66"/6.5"	1:10 cone mount	Solid	.750"	Solid	\$8.88
2WT750102	Solid 3/4" deep tine	10.825"/8.75"	1:10 cone mount	Solid	.750"	Solid	\$8.88
2WT750104	Solid 3/4" deep tine	11"/8.875"	1:10 cone mount	Solid	.750"	Solid	\$9.95
2WT750101	Solid 3/4" deep tine	13.25"/11"	1:10 cone mount	Solid	.750"	Solid	\$9.95
2WT750108	Solid 3/4" deep tine	12.5"/10"	1:10 cone mount	Solid	.708"	Solid	\$9.95
2WT100101	Solid 1" deep tine	13.25"/11"	1:10 cone mount	Solid	.945"	Solid	\$11.66
2WX500112	Premium CROSSTINE® 1/2" rib (for Wiedenman)	5.5"/N/A	12mm dimple	Solid	1/2"	Solid	\$8.67
2WX500512	DILLENNIUM CROSSTINE® 1/2" rib (for Wiedenman)	5.5"/N/A	12mm dimple	Solid	1/2"	Solid	\$12.80
Shanks are available for all non-Fixed shank Fairway Tines. Contact our Customer Service Department for the correct shank.							\$7.00
Roll Pins are available for all Fairway shanks. Contact our Customer Service Department for the correct roll pin.							\$1.00

The JRM "use warranty" only covers conventional top-eject coring tines used on golf course greens (tees and fairways are specifically excluded).



# CLOSED SPOON TINES/ CUTTING BLADES



1N100103

1N750102



## Closed Spoon Tines

Part No.	JRM Description	Total Length	Replacement Description	Price
1N100103	JRM Closed Spoon 1" split, two-hole mount	8.5"	Hahn-Westpoint® .9" and similar {H-W3556}	\$4.91
1N750102	JRM Closed Spoon 3/4" split, one-hole mount	7.5"	Ryan Renovaire-Tracaire® .9" and similar	\$4.91

## Rotary Blades

JRM Rotary blades are made from the finest material available, 4140 high-grade alloy steel. These top-quality rotary blades will hold an edge longer and wear longer than most OEM blades. JRM's superior quality rotary blades are less likely to break or chip and provide exceptional performance when compared to the original factory blades.

## Rotary Blades

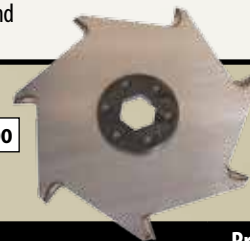
4TR072101



Part No.	JRM Description	Replacement Description	Price
4JR20101	Jacobsen® Rotary Push Mower Blade	20" cut OEM #330719	\$14.73
4JL12101	Jacobsen® Rotary Blade	23" Width (Left blade) for HR51-11 (3 required) OEM #391040	\$20.77
4JR12102	Jacobsen® Rotary Blade	23" Width (Right blade) for HR51-11 (4 required) OEM #391039	\$20.77
4TR072101	Toro® Rotary Blade	72" cut for Groundmaster OEM #29-5530	\$22.80
4HR072101	Hustler Rotary Blade	72" cut for XL Hustler OEM #754853	\$20.89

JRM now offers Thatch Master® 7 pt. carbide-tip blades that will fit the Thatch Master® TM-360, TM-480, TM-600, and TM-720. The TM-360 and TM-480 machines are ideal for golf course greens. The thin 2mm blades with their forward rotation slice through the grass with a clean cut that heals fast. We also have spacers available for the Thatch Master® blades. Recommended spacing is 1/2 inch (144 spacers) for the TM-360, and 1 inch (192 spacers) for the TM-480. The TM-600 and TM-720 are ideal for large turf areas like sports fields and golf course fairways. The 3mm blades give more hours of use and faster travel speeds. Recommended spacing is 1 1/2 inches (240 spacers) for the TM-600, and 2 inches (288 spacers) for the TM-720.

4TM079100



## Thatch Master® 7-pt. Carbide-Tip Blades

Part No.	JRM Description	Price
<b>NEW</b> 4TM046100	1mm Carbide-tip cutting blade for TM-360, TM-480	\$24.00
<b>NEW</b> 4TM079100	2mm Carbide-tip cutting blade for TM-360, TM-480	\$24.90
<b>NEW</b> 4TM118100	3mm Carbide-tip cutting blade for TM-600, TM-720	\$25.90
<b>NEW</b> 4TMS250	Spacers for Thatch Master® 7 pt. carbide-tip blades for TM-360, TM-480, TM-600, TM-720	\$.75

## Depth gauge for groomers

Part No.	JRM Description	Price
4GHG750375	Universal depth gauge for groomers, 5 height guides set at 1/16" apart	\$33.97

4GHG750375

JRM, Inc. Part # 4GHG750375

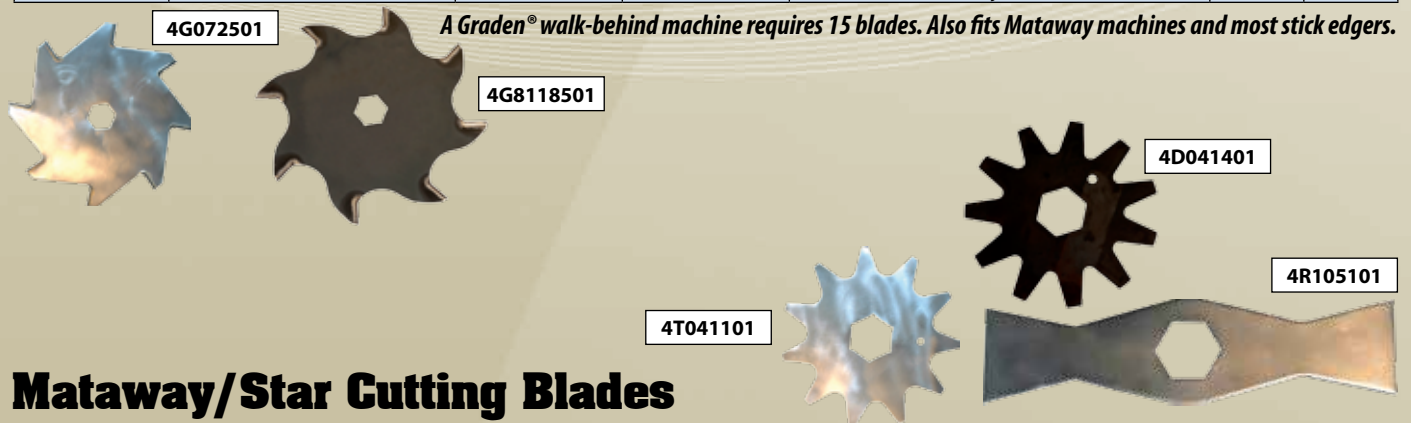
\*Lines are in 1/16" increments\*

1-888-576-7007

## DILLENNIUM® Graden® cutting blades

DILLENNIUM®

Part No.	JRM Description	Blade Diameter	Blade Thickness	Replacement Description	Width	Price
4G031501	1/32" DILLENNIUM® Graden® blade	7 1/2"	1mm	Graden® GS04 Verti-cut machine	.045"	\$25.14
4G060501	1/16" DILLENNIUM® Graden® blade	7 1/2"	2mm	Graden® Verti-cut machine	.075"	\$26.30
4G072501	1/10" DILLENNIUM® Graden® blade	7 1/2"	2.5mm	Graden® Verti-cut machine	.100"	\$26.30
4G125501	1/8" DILLENNIUM® Graden® blade	7 1/2"	3mm	Graden® Verti-cut machine	.125"	\$26.30
<b>NEW</b> 4G8046501	1/32" DILLENNIUM® Graden® blade	8 1/4"	1mm	Graden® GBS 1200, SW04 Swing-Wing Verti-Cutter, CSI Contour Sand Injector Verti-Cutter	.045"	\$28.30
<b>NEW</b> 4G8079501	1/16" DILLENNIUM® Graden® blade	8 1/4"	2mm	Graden GBS 1200, SW04 Swing-wing Verti-cutter, CSI Contour Sand injector Verti-cutter	.075"	\$29.30
<b>NEW</b> 4G8118501	1/10" DILLENNIUM® Graden® blade	8 1/4"	2.5mm	Graden GBS 1200, SW04 Swing-wing Verti-cutter, CSI Contour Sand injector Verti-cutter	.100"	\$29.30
<b>NEW</b> 4G8125501	1/8" DILLENNIUM® Graden® blade	8 1/4"	3mm	Graden GBS 1200, SW04 Swing-wing Verti-cutter, CSI Contour Sand injector Verti-cutter	.125"	\$29.30



## Mataway/Star Cutting Blades

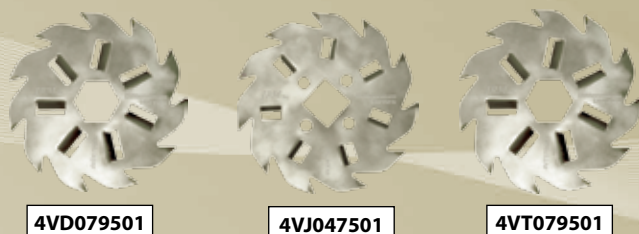
Part No.	JRM Description	Blade Diameter	Replacement Description	Price
4R031101	1/32" Mataway Blade	7 1/4"	1/32" Ryan® Mataway Machine	\$2.31
4R062101	1/16" Mataway Blade	7 1/4"	1/16" Ryan® Mataway Machine	\$2.48
4R105101	1/8" Mataway Blade	7 1/4"	1/8" Ryan® Mataway Machine	\$3.10
4T041101	Star Verti-cut blade for Toro®	5"	1/32" Toro® Reel Verti-cut blade OEM# 17-1590; 111 required	\$3.20
4J041401	Star Verti-cut blade for Jacobsen®	5"	Star blade replacements for Jacobsen #335449	\$5.03
4D041401	Star Verti-cut blade for John Deere®	5"	Star blade replacements for John Deere #AMT2703	\$4.92

## DILLENNIUM® Vortex Verti® Cutting Blades

DILLENNIUM®

Part No.	JRM Description	Blade Diameter	Replacement Description	Price
4VD079501	DILLENNIUM® Vortex Verti® blade		Hexagonal mount, 2mm for John Deere®	\$12.19
4VD047501	DILLENNIUM® Vortex Verti® blade		Hexagonal mount, 1.2mm for John Deere®	\$12.53
4VJ079501	DILLENNIUM® Vortex Verti® blade		Square mount, 2mm for Jacobsen/Ransome®	\$12.19
4VJ047501	DILLENNIUM® Vortex Verti® blade		Square mount, 1.2mm for Jacobsen/Ransome®	\$12.52
4VT079501	DILLENNIUM® Vortex Verti® blade		Hexagonal mount, 2mm for Toro®	\$11.79
4VT047501	DILLENNIUM® Vortex Verti® blade		Hexagonal mount, 1.2mm for Toro®	\$11.90
4VJS250	Vortex Verticut 1/4" Spacer for Jacobsen® Mowers		Spacers attachable for spacing of 1/2", 3/4", 1"	\$1.59

Part No.	Spacer Size	Number Of Blades Required
John Deere	1/2"	117
	3/4"	81
	1"	60
TORO	1/2"	111
	3/4"	78
	1"	60
Jacobsen & Ransome	1/2"	111
	3/4"	78
	1"	60



# BLOCKS, RAKE PRONGS & ADAPTER RINGS

## Mounting Blocks

★ Turf Guards must be detached from your machine to use the 14-hole blocks.

Part No.	JRM Description	Blocks Per Set	Price Per Block	Price Per Set
★ NEW 1B200101	.200" 14-Hole Seeder tine block for Toro Procore 648	Set=6 blocks	\$96.29	\$577.74
★ NEW 1B250102	.250" 10-Hole Needle Tine Block for Toro Procore 648	Set=6 blocks	\$96.29	\$577.74
★ NEW 1B375102	.375" 10-Hole Quad Tine Block for Toro Procore 648	Set=6 blocks	\$96.29	\$577.74
1B375101	3/8" Quad Block for Toro® Walking Greens Aerifier	Set=4 blocks	\$93.52	\$374.08
1B375103	3/8" Quad Block for John Deere® 1500 (also fits 2000) 9" long, 7 holes	Set= 6 blocks	\$128.61	\$771.66
1B500101	1/2" SuperQuad Block for Toro® Walking Greens Aerifier	Set=6 blocks	\$128.61	\$771.66
1B500102	1/2" SuperQuad Block for John Deere® 1500 (also fits 2000) 9" long, 7 holes	Set=6 blocks	\$128.61	\$771.66
1B625102	5/8" MagQuad Block for Toro®, accepts 5/8" mounts only, 6 holes	Set=4 blocks	\$175.27	\$701.08
1B625103	5/8" MagQuad Block for John Deere® 1500 (also fits 2000) 9" long, 7 holes	Set=6 blocks	\$175.27	\$1,051.62



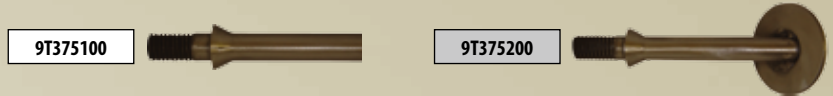
Please note that Tine Holders are specific to certain manufacturers and are very unlikely to work on alternative brands as tines might. Tine Holders are usually purchased in sets of four or more (typically one for each "arm" on the aerification machine). All JRM Tine Holders are made of high-grade steel and machined. Most OEM blocks are cast.

## Rake Prongs

All of our Rake Prongs (also known as rake teeth) are designed specifically for the Toro® Sand Pro machine. The 9T375100 is a standard length rake prong (3.15"), and we also offer a shorter rake prong 9T375150 (2.65") for customers that have shallow liners in their sand traps.

Our rake prong fluffer was designed to lessen the wear and tear on sand trap liners with its blunt design. We offer a standard-size fluffer 9T375200 (3.50") and a shorter fluffer 9T375250 (3") to cater to your specific needs.

## Rake Prongs



Part No.	JRM Description	O.D.	I.D.	Replacement Description	Price
9T375100	JRM Rake Prong 3.15" long (27 per set)	3/8"	Solid	For Toro® Sand Pro	\$2.19
9T375150	JRM Rake Prong 2.65" long (27 per set)	3/8"	Solid	For Toro® Sand Pro	\$2.14
9T375200	JRM Rake Prong Fluff 3.50" long (27 per set)	N/A	Solid	For Toro® Sand Pro	\$5.52
9T375250	JRM Rake Prong Fluff 3" long (27 per set)	N/A	Solid	For Toro® Sand Pro	\$5.48

## Adapter Rings



Part No.	JRM Description	O.D.	I.D.	Replacement Description	Price
9R375106	Adapter Ring for 5" Rhino and 1/4", 1/2" Solid Tine	5/8"	.500"	For John Deere® & Toro® 5/8" Mounting Block	\$7.01
9R375107	Adapter Ring for 5" Rhino and 1/4", 1/2" Solid Tine	3/4"	.500"	For John Deere® & Toro® 3/4" Mounting Block	\$7.01
9R375108	Adapter Ring	3/4"	.375"		\$7.01
9R625102	Adapter Ring	3/4"	.625"		\$7.01

Adapter Rings are used to "up size" a tine so that it will work in a mounting block that is larger. Adapter Rings will not work with any top eject coring tine.

## Ordering JRM Products

You have a variety of convenient options for ordering JRM products.

### Authorized Dealer

In most locations you will have an authorized JRM Distributor that is your personal JRM representative. You should look to your JRM Dealer as your first line of help in ordering or when you have a question about an existing order. If you need help finding your local dealer, please consult our list of JRM Distributors on the inside back cover of the catalog, or you may go to the JRM website at [www.jrmonline.com](http://www.jrmonline.com) for a complete listing of our dealers.

### Direct

Order directly from us by telephone or fax. You may call our toll free telephone number (888-576-7007) from within the United States or our toll line (336-354-1243) from anywhere during regular business hours (8:30 a.m.-5:30.p.m. Eastern Standard Time). You may also send us a fax at 336-354-1255. Please be careful to include all necessary information: ship-to; bill-to; number of items by part number; credit information (if a first time customer); and specific shipping information. All orders are subject to credit consideration. You can also email orders to [SALES@JRMONLINE.com](mailto:SALES@JRMONLINE.com).

### World Wide Web

[www.jrmonline.com](http://www.jrmonline.com)

As an added convenience, customers can now order on-line at [www.jrmonline.com](http://www.jrmonline.com) using VISA, Master Card, and American Express. International customers can order on-line as well. We encourage you to regularly check our website to conveniently view our entire line of products. We also offer specials throughout the year that will be posted in the “news” section of our website.



### JRM, Inc. Merchandise

JRM has a variety of JRM, Inc. logo merchandise, including hats, shirts and pullovers available for purchase. Based on quantity and sizes, special orders may need to be placed. Pricing will be determined based on individual orders. Please contact Sandra Mooneyham in our Customer Service Department if you would like to place an order.

**JRM** products are made of the very finest materials available and are warranted against any defect in manufacturing or materials. JRM DILLENNIUM® top-eject coring tines used on conventional aerification machines having uniform wear on golf course greens have a “use warranty” of a minimum of 18 greens or 130,000 Square Feet, whichever comes first. This revolutionary “use warranty” is only applicable for use on golf greens. The JRM warranty does not cover “chipping” which may occur if a large rock or cart-path is hit.

**This “use warranty” does not extend to any solid or “side-eject” tine due to the weaker wall structure, the DILLENNIUM® “Quad”, DILLENNIUM® Lite, or “SuperQuad™” tines due to their thinner wall construction, or any Deep Tine. In most cases you can expect to get twice the life of any other conventional aerification tine with our DILLENNIUM® tines. The JRM “use warranty” only covers conventional top-eject coring tines used on golf course greens (tees and fairways are specifically excluded). “Uniform wear” means that the wear pattern is uniform on all sides of the tine indicating proper machine timing.**

## RETURN AUTHORIZATION REQUESTS

If you wish to return any JRM Products, immediately contact your Authorized JRM dealer, or call JRM directly at 1-888-576-7007 or toll free at 336-354-1243. You will be given a Returned Merchandise Authorization (RMA) number that needs to be prominently displayed on the outside of the box you are returning. No credit will be issued for any products returned to JRM without an RMA number. Requests for return authorization must be made within three months of purchase. Once an RMA is issued, you will have 30 days to return the merchandise to the JRM shipping department. It is the customer’s responsibility to return products to JRM. UPS Call Tags will only be issued for defective parts or shipping and sales miscues originated from JRM. A 15% restocking fee will be applied to all return requests that are not accompanied by a replacement order. INFINITY Tines are not warranted for use on Fairways.

JRM reserves the right to refuse credit for any returned item (other than a warranty return) that is not in “like new” condition and available for immediate resale. All decisions by JRM are final. If there are parts missing from any shipment that are listed on the “packing slip” it is very important that the shipping box NOT be discarded. For JRM to be reimbursed by the carrier, an inspection of the box is required. If parts are missing, please contact the JRM Customer Support department immediately to make arrangements to obtain replacement parts.

At JRM, we are very proud of our products and intend for them to be the very finest available in the turf industry. For this reason we ask that you contact us immediately if you have any usage problem(s). With your cooperation we will be able to continue to improve our products and protect you, our valued customer.

### Timing Problems

If an aerification machine is “out of timing” it will greatly reduce the use-life of your tines. A clear and inescapable indicator of both good and bad timing is the wear pattern on a used set of tines. Indeed, the age of a machine is no guarantee against timing problems since new machines are often delivered “out of timing”. A well set up machine, in good timing, will produce a wear pattern that is ‘even’ all the way around the bottom of the tine. This is absolute and inescapable objective evidence that is true of all aerification machines and all tines. It is not required that a machine be in “perfect” timing for it to provide good and acceptable service. However, a machine that is badly out of timing will wear out any tine significantly faster and increase the total cost of aerification. With the advent of the JRM DILLENNIUM® tines, this “wear pattern” has become much more evident since the tines will last significantly longer. Problems with machine “timing” have not been noticed previously since the available tines were so soft that they would wear away at such an extremely fast rate.

**Return To:** JRM, Inc.  
Return Goods Dept.  
8491 N. NC Hwy. 150  
Clemmons, NC 27012

## Timing Problems

FIG. #1 is a clear exception to the JRM Warranty. This tine was used on an aerification machine with a severe timing problem. No credit would be given for this tine.

FIG. #1



### JRM Normal Wear

A JRM DILLENNIUM® tine with normal wear after 18 greens



### OEM Normal Wear

OEM conventional tine with normal wear in rocky turf



### Severe Timing Problems



## Care & Storage of Dillennium™ Tines

Due to the longevity of JRM DILLENNIUM® tines, we are faced with a brand new issue in the golf course industry: how to care for used aerification tines that still have significant use-life left. We suggest the following procedure to get the most value from your JRM DILLENNIUM® tine(s).

1. Clean all dirt and grass from the tube.  
This may be done by hosing down. Soap may be used if needed.  
Thoroughly and immediately dry all tines.
2. Spray a silicone aerosol spray lubricant on the tines, inside tubular tines as well as on the outside of all tines.
3. Label and store in a dry location.

Do NOT use any petroleum based products, penetrating oils, or aerosol lubricating oils such as WD-40™. These products will cause the bonding material used to attach the tip to weaken, and it will also cause the tips to become brittle and therefore wear much faster the next time they are used.

## **Shipping & Contact Information**

### **Domestic Shipping**

All JRM shipments will be by UPS/FedEx "Standard Ground" unless otherwise requested in advance. All shipments are F.O.B. Clemmons, North Carolina. In most cases, if an order is received at our Sales & Marketing office in Clemmons, North Carolina before 4:00 p.m. EST, we will be able to ship the same day. In addition to the standard ground shipping, we can ship "Overnight", "2nd Day", or "3 Day" upon special request. We recommend that customers west of the Mississippi consider shipping by "3 day" if the products are needed in less than 5 to 10 days. Larger orders may require special packaging and shipment by common carrier.

### **International Orders**

International shipments will be shipped "as requested" and in a wooden box suitable for weights in excess of 50 Kg. (110 lb). Electronic wire transfer payments are accepted. Credit arrangements must be made in advance of shipment or charged to a credit card.

### **Internet Orders**

Warranty returns from "online" orders and warranty issues will be processed under the same guidelines as any other JRM order.

### **JRM Dealers**

JRM has many dealers domestically and internationally who are authorized to sell JRM products in designated areas defined by the "ship to" zip code and country codes. If you are not certain who your Authorized JRM Dealer is, please consult our JRM Distributor list located on the inside back cover of this catalog, or go to our website at [www.jrmonline.com](http://www.jrmonline.com). About 85% of North America is covered by an Authorized JRM Dealer. Areas not covered by an Authorized JRM Dealer are serviced from our Clemmons, N.C. office. All of our national and international dealers can be located on our website as well.

### **Contacting JRM**

At JRM we take your opinions very, very seriously. Indeed, it is as a result of customer requests and opinions that we have developed some of our finest products. We want to have your opinions even if they are not complimentary. Naturally, we love to hear positive comments, but it is through "constructive criticism" that we have often received our most valuable information. If you like JRM products, we definitely want to hear from you. If you have a problem with one of our products, we want to hear from you even more. Please forward any experiences or requests to:

#### **By mail**

Customer Service  
JRM, Inc.  
PO Box 1689  
Welcome, NC  
27374-1689

#### **By telephone/fax**

888-576-7007 toll free  
336-354-1243 toll  
336-354-1255 fax

#### **By E-mail**

[sales@jrmonline.com](mailto:sales@jrmonline.com)