

At JRM, we are fully aware that weather conditions play a huge role in maintaining your course, sports field, race tracks, etc. On that note, we continue to improve and add to our line of solid and venting tines, which are designed to enhance root growth and deliver much needed water and gas/oxygen exchange in times of stress.

Field studies discourage the use of these tines as your primary source of aerification as steady use could result in soil compaction, but they are extremely handy in times of stress to help keep your greens and fields immaculate.

Solid tines can be used on a variety of surfaces to open holes with little interference in the playability of a surface, and to allow nutrients into your soil.

In addition to our conventional solid tines, we also have an extensive line of venting tines with our Bayonet™ and CROSSTINES™. We also offer our Saber Tooth Tines, a replacement tine for PlanetAir® machines. This new coring tine technology, combined with the planetary motion of the machine, cuts clean cores at the surface and shatters the soil below. This promotes better soil structure with less cleanup. We offer three sizes of width (1/12", 1/8", 1/4") with a length of 5.80 inches for venting only. We do not offer a coring tine replacement at this time.

All of our solid and venting tines are manufactured from a single piece of cold drawn solid rod of 4140 steel to enhance strength and durability.

Our conventional solid tines continue to evolve as we near completion on changing our entire line from a "beveled-edge" tip to a 360° "bullet-style" tip, which promotes a cleaner hole and more consistent core depth.

We have also added to our needle tine selection with three 1/8 inch solid tines with two mount sizes (3/8", 1/2") and lengths (4.5" and 6"). We also added two NEW hook tines (5mm, 8mm), which are replacements for Toro® ProCore series aerifiers. These tines can be located toward the top of our conventional coring tines page. Also located on this page, is our Aerovator tine (2A625101) with the threaded mount. This is an extremely popular tine for landscapers and service contractors.

The Bayonet™ tines are available in two lengths and several mounting diameters for most conventional and deep tine aerification machines. It is a universal solid tine designed to penetrate the soil and leave a 3/4 inch hole for optimum water and gas exchange. During testing, the holes left by the Bayonet™ tine remained open for 10 days, up to three full weeks. Many superintendents credit these tines for saving their greens. The 7 inch length will fit on most fairway aerifiers and deep tine units, while the 4 3/4 inch tine will fit on most standard greens aerifiers. This tine should be oriented parallel to the direction of travel.

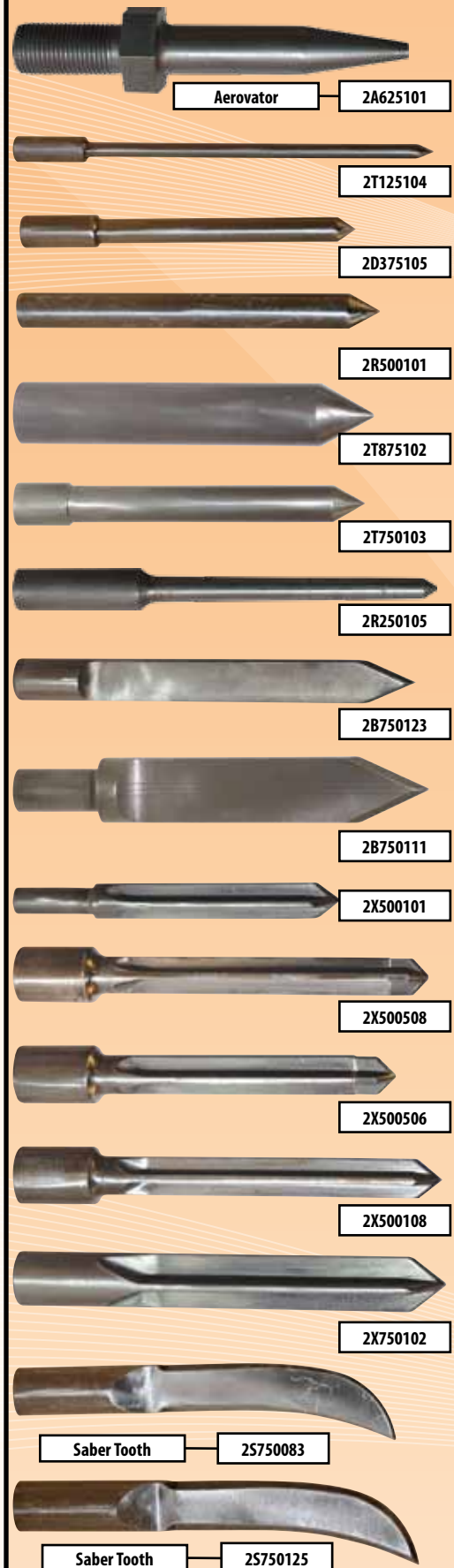
The chief benefit of the Bayonet™ tine is the extremely long period of time that the hole will stay open. It is most useful when one wishes to aggressively aerify for a long-term benefit with reduced trauma to the greens. This tine is so benign that it is frequently used mid-season and does not unduly interfere with the playability of a golf course. The Bayonet™ tine gives the surface area of a round 5/8 inch solid tine with a fraction of the trauma and grow-in time.

New to our line is a 5/8 inch Bayonet tine (2B625101), which offers a smaller hole than our standard size. It comes with a 3/8 inch mount and is 5 1/2 inches long. We also have two 6 inch options with mount sizes of 7/8 and 3/8 inches.

Our JRM CROSSTINES™ have all the same characteristics of water/gas exchange and the playability of a Bayonet™ tine combined a few unique advantages of its own.

Our CROSSTINES™ are exceptionally gentle on the greens and leave a hole with the surface area of a 7/8 inch coring tine. As the CROSSTINE™ penetrates the soil; it severs the small fibrous roots rather than separating them. This action causes plant hormones to be released that cause root branching even in times of stress. Root branching enhances root density and contributes to a stronger and healthier root mass. Like the Bayonet™, these tines are often used in times of stress and are credited with saving greens during drought conditions. We also offer a full line of DILLENNIUM® CROSSTINES™ that offer around three times the wear of a corresponding premium tine.

JRM offers three SuperCross™ tines that provide the optimum in aerification surface area for the maximum in gas and water exchange. The SuperCross™ is offered in three mount sizes that should fit on most European and American aerifiers. The SuperCross™ should be considered when needing solid tines that will provide an exceptional volume of water and oxygen exchange because of the larger wall surface on the resulting hole.



## Conventional Solid Tines

Part No.	JRM Description	Length	Mount Diameter	O.D.	Wall	Price
2A625101	Solid 5/8" Aerovator tine	4.63"	Threaded	.586"	Solid	\$3.95
<b>NEW</b> 2T200101	Solid 3/16" hook tine	6.5"	5mm hook	.200"	Solid	\$3.70
<b>NEW</b> 2T312101	Solid 5/16" hook tine	7.5"	8mm hook	.312"	Solid	\$3.70
2T125103	Solid 1/8" tine	4.5"	3/8"	.200"	Solid	\$3.85
2T125104	Solid 1/8" tine	6"	3/8"	.200"	Solid	\$4.00
2R125103	Solid 1/8" tine	4.5"	1/2"	.200"	Solid	\$3.85
2T250101	Solid 1/4" tine	2.50"	1/8"	.250"	Solid	\$3.50
2T250103	Solid 1/4" tine	3.5"	1/8"	.250"	Solid	\$4.20
2T250105	Solid 1/4" tine	4.25"	3/8"	.250"	Solid	\$4.50
2T250106	Solid 1/4" tine	5"	3/8"	.250"	Solid	\$4.50
∞ 2T250806	INFINITY Solid 1/4" tine	5"	3/8"	.250"	Solid	\$7.15
2R250105	Solid 1/4" Rhino tine	5"	1/2"	.250"	Solid	\$5.25
2T250102	Solid 1/4" tine	3.25"	3/4"	.250"	Solid	\$4.50
2T250104	Solid 1/4" tine	4.25"	3/4"	.250"	Solid	\$4.50
2R250106	Solid 1/4" tine	5"	3/4"	.250"	Solid	\$4.95
2D375104	Solid 3/8" tine	5"	3/8"	.375"	Solid	\$4.60
∞ 2D375804	INFINITY Solid 3/8" tine	5"	3/8"	.375"	Solid	\$6.60
2D375106	Solid 3/8" tine	6"	3/8"	.375"	Solid	\$5.00
∞ 2D375806	INFINITY Solid 3/8" tine	6"	3/8"	.375"	Solid	\$7.00
2D375105	Solid 3/8" tine	5"	1/2"	.375"	Solid	\$5.00
2R375105	Solid 3/8" Rhino tine	5"	1/2"	.375"	Solid	\$6.00
2T375102	Solid 3/8" tine	5"	3/4"	.375"	Solid	\$5.15
2T375103	Solid 3/8" tine	6"	3/4"	.375"	Solid	\$5.85
2R500101	Solid 1/2" tine	5"	1/2"	.500"	Solid	\$5.10
2T500101	Solid 1/2" tine	4.5"	3/4"	.500"	Solid	\$4.40
2T500102	Solid 1/2" tine	5"	3/4"	.500"	Solid	\$4.55
2D625101	Solid 5/8" tine	5"	5/8"	.625"	Solid	\$4.65
2D625103	Solid 5/8" tine	6"	5/8"	.625"	Solid	\$4.95
2D625104	Solid 5/8" tine	7"	5/8"	.625"	Solid	\$5.05
2T625103	Solid 5/8" tine for Coremaster®	5"	.725"	.625"	Solid	\$4.40
2T625101	Solid 5/8" tine	4.5"	3/4"	.625"	Solid	\$4.25
2T625102	Solid 5/8" tine	5"	3/4"	.625"	Solid	\$4.40
2D625102	Solid 5/8" tine	7"	3/4"	.625"	Solid	\$5.05
2R750101	Solid 3/4" tine	4.25"	5/8"	.750"	Solid	\$6.30
2T750101	Solid 3/4" tine	4.5"	3/4"	.750"	Solid	\$4.40
2T750102	Solid 3/4" tine	5"	3/4"	.750"	Solid	\$4.55
2D750102	Solid 3/4" tine	7"	3/4"	.750"	Solid	\$4.55
2T750104	Solid 3/4" tine	5"	7/8"	.750"	Solid	\$6.85
2T750103	Solid 3/4" tine	7"	7/8"	.750"	Solid	\$9.00
2T875102	Solid 7/8" tine	5"	7/8"	.875"	Solid	\$7.90
2T875103	Solid 7/8" tine	7"	7/8"	.875"	Solid	\$10.85

We are switching our entire line of solid tines to the "Bullet Style" version. We still have some "Beveled Edge" tines available, but they are being phased out.

### ∞ INFINITY Tines



**Venting:** The slicing aeration technique (using Bayonet™/CROSSTINES® to create lots of short, narrow, close slits) is particularly useful in the summer and periods of stress when aerification would be problematic.

Though it has shortcomings in its ability to solve compaction problems, it makes up for that in its ability to sever the roots releasing growth hormones thus creating a fuller and deeper root system. Venting can be used during periods of heavy rainfall in spring and fall when other methods of aerification are not possible.

This Non-Disruptive Cultivation should be initiated within five to eight weeks after a hollow-tine cultivation operation and repeated on a three-week schedule to maintain a high root zone.

It can also be initiated in late winter/early spring before the temperatures are favorable for hollow-tine core aeration. Low-soil oxygen levels in the winter to early spring are a primary reason for the long-term decline in rooting in high sand greens where summer heat stress is problematic. Cultivation operations that create at least ¼ inch diameter holes can dramatically and immediately enhance SHC (Saturated Hydraulic Conductivity). Venting tines can serve many valuable purposes on your course and may save you a few greens when used properly.



2B750111

## Bayonet™ Tines

Part No.	JRM Description	Length	Mount Diameter	Blade Width	Thickness	Price
2B625101	Premium Bayonet™ 5/8" rib	5.50"	3/8"	.625"	.190"	\$10.61
2B750110	Premium Bayonet™ 3/4" rib	4.75"	3/8"	.750"	.190"	\$10.61
2B750127	Premium Bayonet™ 3/4" rib	7"	3/8"	.750"	.190"	\$13.92
2B750115	Premium Bayonet™ 3/4" rib (for Deep Tine Machines)	4.75"	12mm	.750"	.190"	\$10.61
2B750125	Premium Bayonet™ 3/4" rib (for Deep Tine Machines)	7"	12mm	.750"	.190"	\$13.92
2B750111	Premium Bayonet™ 3/4" rib	4.75"	1/2"	.750"	.190"	\$10.61
2B750121	Premium Bayonet™ 3/4" rib	7"	1/2"	.750"	.190"	\$13.92
2B750112	Premium Bayonet™ 3/4" rib	4.75"	5/8"	.750"	.190"	\$10.61
2B750116	Premium Bayonet™ 3/4" rib (for Deep Tine Machines)	4.75"	18mm	.750"	.190"	\$10.61
2B750126	Premium Bayonet™ 3/4" rib (for Deep Tine Machines)	7"	18mm	.750"	.190"	\$13.92
2B750113	Premium Bayonet™ 3/4" rib	4.75"	3/4"	.750"	.190"	\$10.61
∞ 2B750813	INFINITY Bayonet™ 3/4" rib	4.75"	3/4"	.750"	.190"	\$13.92
2B750123	Premium Bayonet™ 3/4" rib	7"	3/4"	.750"	.190"	\$13.92
∞ 2B750823	INFINITY Bayonet™ 3/4" rib	7"	3/4"	.750"	.190"	\$15.92
2B750114	Premium Bayonet™ 3/4" rib	4.75"	7/8"	.750"	.190"	\$10.61
2B750124	Premium Bayonet™ 3/4" rib	7"	7/8"	.750"	.190"	\$13.92
2B750136	Premium Bayonet™ 3/4" rib	6"	7/8"	.750"	.190"	\$13.65
2B750137	Premium Bayonet™ 3/4" rib	6"	3/8"	.750"	.190"	\$13.65

∞ INFINITY Tines



2S750083

## Saber Tooth Tines

Part No.	JRM Description	Length	Mount Diameter	Blade Thickness	Wall	Price
2S750083	1/12" solid tine for PlanetAir® Aerator	5.8"	3/4"	.083"	Solid	\$13.00
2S750125	1/8" solid tine for PlanetAir® Aerator	5.8"	3/4"	.125"	Solid	\$13.00
2S750250	1/4" solid tine for PlanetAir® Aerator	5.8"	3/4"	.250"	Solid	\$13.00

**CROSTINES®**

Part No.	JRM Description	Length	Mount Diameter	Width	Wall	Price
2X500100	Premium CROSTINE® 1/2" rib	4.6"	5/16"	.500"	Solid	\$8.36
2X500500	DILLENNIUM® CROSTINE® 1/2" rib	4.8"	5/16"	.500"	Solid	\$12.29
2X500110	Premium CROSTINE® 1/2" rib	5.5"	5/16"	.500"	Solid	\$8.67
2X500510	DILLENNIUM® CROSTINE® 1/2" rib	5.5"	5/16"	.500"	Solid	\$12.80
2X500101	Premium CROSTINE® 1/2" rib	4.6"	3/8"	.500"	Solid	\$8.36
∞ 2X500801	INFINITY CROSTINE® 1/2" rib	4.6"	3/8"	.500"	Solid	\$11.05
2X500501	DILLENNIUM® CROSTINE® 1/2" rib	4.8"	3/8"	.500"	Solid	\$12.29
2X500109	Premium CROSTINE® 1/2" rib	5.5"	3/8"	.500"	Solid	\$8.67
∞ 2X500809	INFINITY CROSTINE® 1/2" rib	5.5"	3/8"	.500"	Solid	\$11.55
2X500509	DILLENNIUM® CROSTINE® 1/2" rib	5.5"	3/8"	.500"	Solid	\$12.80
2X500111	Premium CROSTINE® 1/2" rib (for Deep Tine Machines)	5.5"	12mm	.500"	Solid	\$8.67
2X500511	DILLENNIUM® CROSTINE® 1/2" rib (for Deep Tine Machines)	5.5"	12mm	.500"	Solid	\$12.80
2WX500112	Premium CROSTINE® 1/2" rib (For Wiedenmann®)	5.5"	12mm dimple mount	.500"	Solid	\$8.50
2WX500512	DILLENNIUM® CROSTINE® 1/2" rib (For Wiedenmann®)	5.5"	12mm dimple mount	.500"	Solid	\$12.55
2X500102	Premium CROSTINE® 1/2" rib	4.6"	1/2"	.500"	Solid	\$8.36
2X500502	DILLENNIUM® CROSTINE® 1/2" rib	4.8"	1/2"	.500"	Solid	\$12.29
2X500104	Premium CROSTINE® 1/2" rib	5.5"	1/2"	.500"	Solid	\$8.67
2X500504	DILLENNIUM® CROSTINE® 1/2" rib	5.5"	1/2"	.500"	Solid	\$12.80
2X500105	Premium CROSTINE® 1/2" rib	4.6"	5/8"	.500"	Solid	\$8.36
2X500505	DILLENNIUM® CROSTINE® 1/2" rib	4.8"	5/8"	.500"	Solid	\$12.29
2X500107	Premium CROSTINE® 1/2" rib	5.5"	5/8"	.500"	Solid	\$8.67
2X500507	DILLENNIUM® CROSTINE® 1/2" rib	5.5"	5/8"	.500"	Solid	\$12.80
2CX500103	Premium CROSTINE® 1/2" rib (for Coremaster®)	4.6"	.730"	.500"	Solid	\$8.36
2CX500503	DILLENNIUM® CROSTINE® 1/2" rib (for Coremaster®)	4.8"	.730"	.500"	Solid	\$12.29
2X500106	Premium CROSTINE® 1/2" rib	4.6"	3/4"	.500"	Solid	\$8.36
2X500506	DILLENNIUM® CROSTINE® 1/2" rib	4.8"	3/4"	.500"	Solid	\$12.29
2X500108	Premium CROSTINE® 1/2" rib	5.5"	3/4"	.500"	Solid	\$8.67
∞ 2X500808	INFINITY CROSTINE® 1/2" rib	5.5"	3/4"	.500"	Solid	\$11.55
2X500508	DILLENNIUM® CROSTINE® 1/2" rib	5.5"	3/4"	.500"	Solid	\$12.80

∞ INFINITY Tines

**SuperCross™ Tines**

Part No.	JRM Description	Length	Mount Diameter	Width	Wall	Price
2X750104	Premium SuperCross™ with 3/4" rib (for Deep Tine Machines)	5.78"	18mm	.750"	Solid	\$12.80
2X750102	Premium SuperCross™ with 3/4" rib	5.78"	3/4"	.750"	Solid	\$12.80
2X750101	Premium SuperCross™ with 3/4" rib	5.78"	7/8"	.750"	Solid	\$12.80



2X750102

Greenbay and Fairway Side-Eject tines make up our conventional fairway top-eject and side-eject line. Our Greenbay tines were developed by a prominent course in Wisconsin and are designed for a variety of conditions. You can read more about these tines on page 27.

Our Fairway Side-eject tines, complete with shank, tube, and roll pin, are designed for durability in adverse conditions, particularly on a golf course fairway. However, this line is not relegated to the course. It can also be used for landscaping, sports fields, and race tracks. The Fairway Side-eject tines can be run primarily on VERTI-DRAIN® and Soil Reliever® machines, which have metric mount diameters. We also have a 3/4 inch and 7/8 inch mounting option that can be used on conventional Fairway units like John Deere® and Toro®.

With the development of the "FS" (Fairway Side-eject) tines, superintendents have a robust tine family that offers the longevity required for fairway aeration. The FS tines are available in both premium and DILLENNIUM® versions. It is advised that if you are aerating on very rocky or hard surfaces that you run the premium version of our tines until you are confident that you have removed much of the hard rock and soil. In optimal conditions, our DILLENNIUM® tines will run much longer and become a great value as you will need fewer tines to finish your aeration, and you won't have to waste time changing out tines.

Please note where the mounting diameters are designated in both inches and millimeters. The actual size in indeed millimeters, and it shows to the nearest inch. The 18mm (.708") mount is considered a 3/4 inch (.750") equivalent, but, as you can see, they are slightly different. For more information on mount diameters, please refer to page 5. JRM is also pleased to offer five fixed shank FS coring tines for the Mustang® and other machines requiring a 12mm mount size.

The rest of our line features a removable shank and roll pin. Once you order our full part once, then on your next order, you can simply purchase our replacement tubes, which come with roll pins, slip out the shank in the old part, place it in the new tube, and just like that, you have a new part.

The 13/16 inch tube size has become a clear favorite for many situations. It has replaced the 3/4 inch as the tine of choice for most superintendents due to its many superior characteristics. The 13/16 inch tube is less likely to bend or break under difficult conditions. In addition, most superintendents prefer the quality of core and cut that it produces. The cost benefit ratio for the 13/16 inch tine is outstanding if one requires a full 6 inches of core depth.

The first FS tines developed were the 13/16 and 1 inch tines. Immediately, requests came in for a tine that would remove even more soil with each core. These first requests were from service contractors who were aerifying fairways and recreation fields. They needed a tine with exceptional durability with a use-life that could be measured in acres not square feet that could also pull a very large core.

Until the development of the FS tine, they were forced to use deep tines with a 10 or 12 inch tube, even though they only needed a core depth of 5 or 6 inches. Additionally, many superintendents have opted to use an FS tine for use on their greens.

Since many courses have deep tine machines, we are happy to offer our FS tines with shanks suitable for these machines.

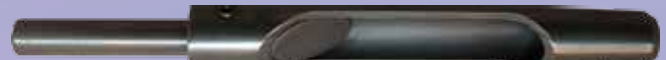
The larger diameter FS tines are excellent choices when larger diameter cores are required. The 1 1/8 and 1 1/4 inch tubes are wonderful options when soil replacement is a goal with large volume top-dressing, but a longer grow-in period will be required. With these larger diameter tubes you can really move some soil.



1FS625101



1FS625502



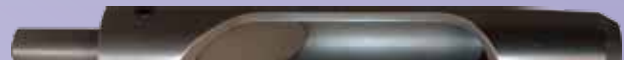
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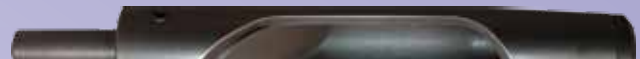
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3FS812500



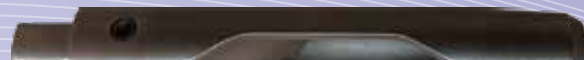
1FS100105



1FS100503



3FS100100



1FS112101



1FS125102

# Greenbay Tines

Part No.	JRM Description	Length	Mount. Dia.	I.D.	O.D.	Wall	Price
1RG812102	Premium Greenbay Tine 13/16"	6.00"	3/4"	.500"	.735"	.105"	\$9.30
1RG812502	DILLENNIUM® Greenbay Tine 13/16"	6.00"	3/4"	.500"	.735"	.105"	\$15.00
1RG875102	Premium Greenbay Tine 7/8"	6.00"	3/4"	.575"	.775"	.094"	\$9.20
1RG875502	Dillennium® Greenbay Tine 7/8"	6.00"	3/4"	.575"	.775"	.094"	\$16.20
1R875102	Premium Greenbay Tine 7/8"	5.55"	7/8"	.600"	.840"	.120"	\$8.60
1R875502	DILLENNIUM® Greenbay Tine 7/8"	5.55"	7/8"	.590"	.840"	.120"	\$16.60
1RS875102	Premium Greenbay Tine 7/8"	5.55"	7/8"	.600"	.869"	.120"	\$9.30
∞ 1RS875802	INFINITY Greenbay Tine 7/8"	5.55"	7/8"	.600"	.869"	.120"	\$18.80
1RS875502	DILLENNIUM® Greenbay Tine 7/8"	5.55"	7/8"	.590"	.840"	.120"	\$19.80

∞ INFINITY Tines

## Greenbay Tines

The Greenbay tines are designed to hold up under the most challenging turf conditions. Since one is much more likely to encounter rocks and other hidden obstructions when aerifying fairways, we have substantially increased the wall thickness of these tines. The unique Greenbay tine, developed at the specific request of a prominent Wisconsin golf club, is a shankless solution to the ever increasing problem of fairway compaction. The JRM Greenbay tine is available in both DILLENNIUM® and Premium versions with the only difference being that the Premium version does not have the extra hard DILLENNIUM® tip.

Economy and durability were the key requirements for our development team, and the Greenbay tines offer both in ample supply. The Greenbay tines are made from exactly the same production stock that our well-tested, one-inch Deep Tines are made from, but in the shortened length.

For those wishing for the benefits of greater depth and a shanked fairway tine, we have developed the 'FS' Fairway side-eject tines.

Greenbay tines offer an excellent price-to-performance profile since they are shankless and therefore cost less to manufacture. One of our most popular Fairway side-eject tines has been the 13/16" size. Now we have a shankless option of the same popular tine at a significantly reduced cost. The Greenbay sizes offer quality, flexibility, and most importantly, durability at a very affordable price.



1RS875102



1RG812502



1R875102



1RG875102

## FAIRWAY SIDE-EJECT TINES

\* Roll pins are included with all replacement tubes.

Part No.	JRM Description	Length	Mount Diameter	I.D.	O.D.	Wall	Price
1FS625101	Premium 5/8" Fairway Tine with Mustang® shank <sup>1</sup>	7.19"/6"	12mm	.400"	.545"	.072"	\$12.25
1FS625501	DILLENNIUM® 5/8" Fairway Tine with Mustang® shank <sup>1</sup>	7.44"/6"	12mm	.350"	.525"	.072"	\$18.35
1FS625102	Premium 5/8" Fixed Mount Fairway Tine with Mustang® shank <sup>1</sup>	7.17"/6"	12mm	.390"	.625"	.072"	\$10.50
1FS625502	DILLENNIUM® 5/8" Fixed Mount Fairway Tine with Mustang® shank <sup>1</sup>	7.42"/6"	12mm	.340"	.625"	.072"	\$16.95
1FS625103	Premium 5/8" Fixed Mount Fairway Tine	8"/6.97"	12mm	.406"	.550"	.072"	\$10.40
1FS625503	DILLENNIUM® 5/8" Fixed Mount Fairway Tine	8.25"/7.20"	12mm	.350"	.525"	.072"	\$16.25
1FS750502	DILLENNIUM® 3/4" Fixed Mount Fairway Tine with Mustang® shank <sup>1</sup>	6.92"/5.75"	12mm	.440"	.630"	.072"	\$16.95
1FS812103	Premium 13/16" Fairway Tine with VERTI-DRAIN® shank	7.33"/6"	12mm	.500"	.720"	.105"	\$14.60
1FS812503	DILLENNIUM® 13/16" Fairway Tine with VERTI-DRAIN® shank	7.33"/6"	12mm	.490"	.720"	.105"	\$25.15
1FS812104	Premium 13/16" Fairway Tine with Soil Reliever® shank	8.25"/6"	12mm	.500"	.720"	.105"	\$14.60
1FS812504	DILLENNIUM® 13/16" Fairway Tine with Soil Reliever® shank	8.25"/6"	12mm	.490"	.720"	.105"	\$25.15
1FS812105	Premium 13/16" Fairway Tine with Mustang® shank <sup>1</sup>	7.17"/6"	12mm	.500"	.720"	.105"	\$14.60
1FS812505	DILLENNIUM® 13/16" Fairway Tine with Mustang® shank <sup>1</sup>	7.20"/6"	12mm	.490"	.720"	.105"	\$25.15
1FS812106	Premium 13/16" Fairway Tine with VERTI-DRAIN® shank	7.77"/6"	18mm	.500"	.720"	.105"	\$14.60
1FS812506	DILLENNIUM® 13/16" Fairway Tine with VERTI-DRAIN® shank	7.77"/6"	18mm	.490"	.720"	.105"	\$25.15
1FS812107	Premium 13/16" Fairway Tine with Soil Reliever® shank	8.25"/6"	18mm	.500"	.720"	.105"	\$14.60
1FS812507	DILLENNIUM® 13/16" Fairway Tine with Soil Reliever® shank	8.25"/6"	18mm	.490"	.720"	.105"	\$25.15
1FS812101	Premium 13/16" Fairway Tine	6.75"/6"	3/4"	.500"	.720"	.105"	\$13.45
1FS812501	DILLENNIUM® 13/16" Fairway Tine	6.75"/6"	3/4"	.490"	.720"	.105"	\$23.95
1FS812102	Premium 13/16" Fairway Tine	6.75"/6"	7/8"	.500"	.720"	.105"	\$13.45
1FS812502	DILLENNIUM® 13/16" Fairway Tine	6.75"/6"	7/8"	.490"	.720"	.105"	\$23.95
*3FS625101	Premium 5/8" Fairway Replacement Tube	6"/6"	12mm	.400"	.545"	.072"	\$9.50
*3FS625501	DILLENNIUM® 5/8" Fairway Replacement Tube	6"/6"	12mm	.350"	.525"	.072"	\$15.45
*3FS812100	Premium 13/16" Fairway Replacement Tube	6"/6"	12mm, 18mm	.500"	.720"	.105"	\$10.45
*3FS812500	DILLENNIUM® 13/16" Fairway Replacement Tube	6"/6"	12mm, 18mm	.490"	.720"	.105"	\$18.10
Shanks are available for all Fairway Tines. Contact our customer service department for the correct shank.							\$10.00

<sup>1</sup> For Mustang without core collector. Longer shanks are necessary when Core Collector is used, see page 31 for 5/8" tines with a longer shank.

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. Refer back to page 5 if you have any questions about choosing the correct mount diameter for your tines.

## Satisfied Customers

### LEE FLICKINGER, EQUIPMENT MANGER AT LAKE CARROLL GOLF COURSE IN LANARK, ILLINOIS

"I was a former machinist, and I've worked with the materials JRM uses for its bedknives and tines, and it is good stuff. And once I started using [JRM] bedknives; bottom line, the edge lasted a hell of a lot longer than Jake and Toro. It's interesting, I get about 700 hours out of one of JRM's bedknives. As long as you keep them adjusted properly and backlap them slightly when necessary, those knives will last forever. With the Jake and Toro knives, I probably got 250 maybe 300 hours from them at the most."

### STEVE DODSON, HEAD MECHANIC, HAWK'S RIDGE COUNTRY CLUB, OUTSIDE ATLANTA, GEORGIA

"I've been using JRM tines pretty much since they started making them. I've worked at quite a few courses over the years, and I had to convert the guys a little bit because they were using John Deere® and R&R, but it never took that long. Once they saw how much money they could save using JRM products, they jumped on board pretty quick."

### LALO MANJORREZ, HEAD MECHANIC, THE LODGE AT VENTANA CANYON, TUCSON, ARIZONA

"JRM products are the top of the line. The bedknives last three times longer than Toro's bedknives. I'm using the 4BT264205 [one of JRM's New Toro Fairway bedknives] right now, and it has been working awesome right now. I've been using it for close to two months, and I haven't had to backlap yet, so the quality of metal is awesome. I tried the EdgeMax bedknives from Toro, but once they start to wear, the edge peels off and damages our reels. I save a lot more money using the JRM bedknives. I cut my fairways four days a week, and judging by the way they are wearing, I'll get at least six months out of the JRM bedknives."

**FAIRWAY SIDE-EJECT TINES**

\* Roll pins are included with all replacement tubes.

Part No.	JRM Description	Length	Mount Diameter	I.D.	O.D.	Wall	Price
1FS100103	Premium 1" Fairway Tine with VERTI-DRAIN® shank	7.33"/6"	12mm	.595"	.860"	.120"	\$17.50
1FS100503	DILLENNIUM® 1" Fairway Tine with VERTI-DRAIN® shank	7.33"/6"	12mm	.590"	.840"	.120"	\$26.20
1FS100104	Premium 1" Fairway Tine with Soil Reliever® shank	8.25"/6"	12mm	.595"	.860"	.120"	\$17.50
1FS100504	DILLENNIUM® 1" Fairway Tine with Soil Reliever® shank	8.25"/6"	12mm	.590"	.840"	.120"	\$26.20
1FS100105	Premium 1" Fairway Tine with Mustang® shank <sup>1</sup>	7.17"/6"	12mm	.595"	.860"	.120"	\$17.50
1FS100505	DILLENNIUM® 1" Fairway Tine with Mustang® shank <sup>1</sup>	7.17"/6"	12mm	.590"	.840"	.120"	\$26.20
1FS100106	Premium 1" Fairway Tine with VERTI-DRAIN® shank	7.77"/6"	18mm	.595"	.860"	.120"	\$17.50
1FS100506	DILLENNIUM® 1" Fairway Tine with VERTI-DRAIN® shank	7.77"/6"	18mm	.590"	.840"	.120"	\$26.20
1FS100107	Premium 1" Fairway Tine with Soil Reliever® shank	8.25"/6"	18mm	.595"	.860"	.120"	\$17.50
1FS100507	DILLENNIUM® 1" Fairway Tine with Soil Reliever® shank	8.25"/6"	18mm	.590"	.840"	.120"	\$26.20
1FS100101	Premium 1" Fairway Tine	6.75"/6"	3/4"	.595"	.860"	.120"	\$15.75
1FS100501	DILLENNIUM® 1" Fairway Tine	6.75"/6"	3/4"	.590"	.840"	.120"	\$25.15
1FS100102	Premium 1" Fairway Tine	6.75"/6"	7/8"	.595"	.860"	.120"	\$15.75
1FS100502	DILLENNIUM® 1" Fairway Tine	6.75"/6"	7/8"	.590"	.840"	.120"	\$25.15
1FS112101	Premium 1 1/8" Fairway Tine	6.75"/6"	3/4"	.735"	1.005"	.135"	\$17.20
1FS112102	DILLENNIUM® 1 1/8" Fairway Tine	6.75"/6"	7/8"	.735"	1.005"	.135"	\$17.20
1FS125106	Premium 1 1/4" Fairway Tine with VERTI-DRAIN® shank	7.77"/6"	18mm	.800"	1.140"	.135"	\$19.15
1FS125506	DILLENNIUM® 1 1/4" Fairway Tine with VERTI-DRAIN® shank	7.77"/6"	18mm	.800"	1.083"	.135"	\$27.30
1FS125107	Premium 1 1/4" Fairway Tine with Soil Reliever® shank	8.25"/6"	18mm	.800"	1.140"	.135"	\$19.15
1FS125507	DILLENNIUM® 1 1/4" Fairway Tine with Soil Reliever® shank	8.25"/6"	18mm	.800"	1.083"	.135"	\$27.30
1FS125108	Premium 1 1/4" Fairway Tine with VERTI-DRAIN® shank	8.77"/7"	18mm	.830"	1.100"	.135"	\$22.80
1FS125109	Premium 1 1/4" Fairway Tine with Soil Reliever® shank	9.50"/7"	24mm	.830"	1.100"	.135"	\$22.80
1FS125101	Premium 1 1/4" Fairway Tine	6.75"/6"	3/4"	.800"	1.140"	.135"	\$19.80
1FS125501	DILLENNIUM® 1 1/4" Fairway Tine	6.75"/6"	3/4"	.800"	1.083"	.135"	\$26.80
1FS125102	Premium 1 1/4" Fairway Tine	6.75"/6"	7/8"	.800"	1.140"	.135"	\$19.80
1FS125502	DILLENNIUM® 1 1/4" Fairway Tine	6.75"/6"	7/8"	.800"	1.083"	.135"	\$26.80
1FS125104	Premium 1 1/4" Fairway Tine	7.75"/7"	7/8"	.830"	1.100"	.135"	\$21.75
*3FS100100	Premium 1" Fairway replacement tube	6"/6"	12mm,18mm, 3/4", 7/8"	.595"	.860"	.120"	\$11.70
*3FS100500	DILLENNIUM® 1" Fairway replacement tube	6"/6"	12mm,18mm, 3/4", 7/8"	.590"	.840"	.120"	\$18.70
*3FS112100	Premium 1 1/8" Fairway replacement tube	6"/6"	12mm,18mm, 3/4", 7/8"	.735"	1.005"	.135"	\$13.70
*3FS125100	Premium 1 1/4" Fairway replacement tube	6"/6"	12mm,18mm, 3/4", 7/8"	.800"	1.140"	.135"	\$15.75
*3FS125500	DILLENNIUM® 1 1/4" Fairway replacement tube	6"/6"	12mm,18mm, 3/4", 7/8"	.800"	1.083"	.135"	\$23.35
*3FS125102	Premium 1 1/4" Fairway replacement tube	7"/7"	18mm, 24mm	.830"	1.100"	.135"	\$19.55
Shanks are available for all Fairway Tines. Contact our customer service department for the correct shank.							\$10.00

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