



2023-2024 TORO® TITAN® TINES





PLAN YOUR AERATION SCHEDULE TODAY

Contact your local Toro distributor

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EXACT STANDARDS



AERATION IMPROVES TURF CONDITIONS

Aeration keeps your turf looking great. It's important to aerate often, especially when it comes to high traffic areas, and with TITAN® TINES on your team you'll know that you have the best equipment to meet all of your aeration needs successfully.

TORO'S FAMILY OF TINES ARE DESIGNED TO MEET YOUR EXACT AERATION NEED

TINE	TIP	LONGEVITY	APPLICATION	WALL THICKNESS
Toro Classic	Standard durable heat-treated tip	Good	Good quality in most turf conditions	Thin wall delivers durability and exceptional performance
TITAN	Sharp heat-treated tip for improved hole quality and life	Better	Provides superior performance and long-lasting wear in most turf conditions	Thin wall delivers durability and exceptional performance
TITAN Max	Sharp carbide tip for excellent hole quality and life	Best	Provides superior performance and long-lasting wear in most conditions	Thin wall delivers durability and exceptional performance
TITAN Fairway	Standard heat-treated fairway tip for consistent core removal	Better	Provides quality performance in natural soil conditions	Thicker wall provides good hole quality and maximum strength
TITAN HD Fairway	Enhanced hardened tip for 75% longer life than TITAN Fairway	Best	Provides excellent performance and wear in extreme conditions	Thicker wall provides good hole quality and maximum strength

A TINE TO FIT EVERY APPLICATION

Toro® has just about every possible tine you can imagine for the changing seasons and your most demanding turf conditions. TITAN® tines offer superior quality to provide your grounds with the best possible care.

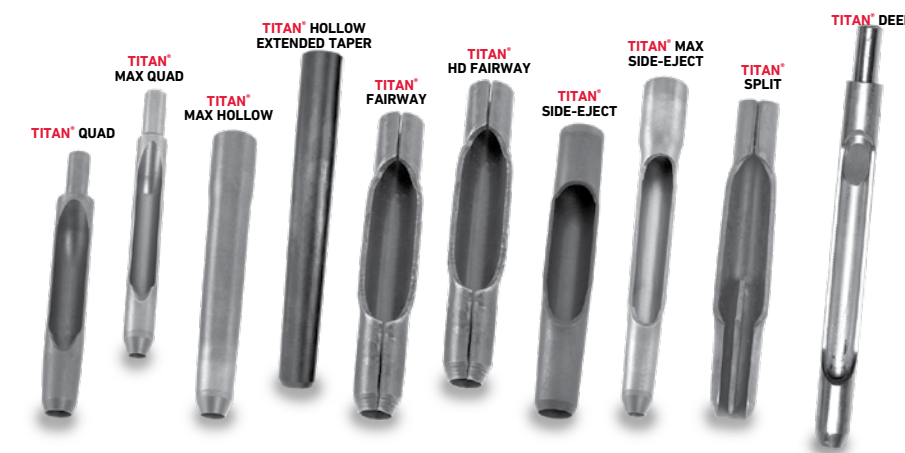
Jump-start your productivity with the TITAN QuickChange™ tine head. The patent-pending taper-lock design makes changing tines a snap. In fact, many users have reduced set-up time by up to 75%. TITAN QuickChange will help you get your aeration done FAST!



TORO TITAN TINES OFFER

- Over 150 tines, providing multiple aeration choices
- A wide variety of types to meet your exact aeration requirements
- Higher productivity: TITAN Max designed with long-lasting tungsten carbide blend tip
- Better performance: TITAN tines last approximately 3-4 times longer than standard tines
- An optimised core, removing more thatch for maximum topdressing
- A superior hole, improving recovery time and maintaining playability

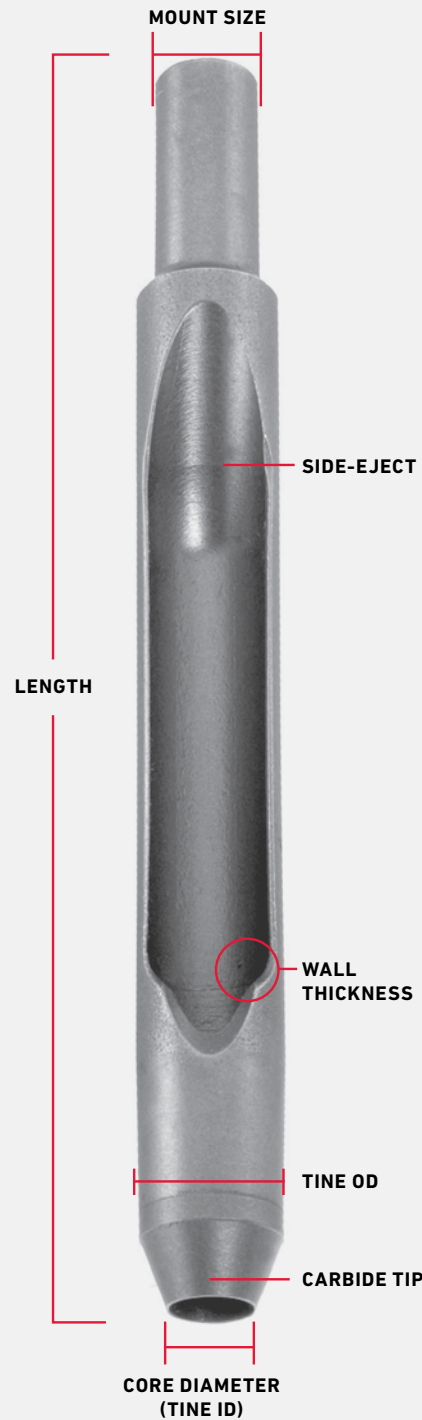
CORING TINES



SOLID TINES



SELECTION AND MEASUREMENT



STANDARD SIZES

1/4" (6.3 mm)	
3/8" (9.5 mm)	
1/2" (12.7 mm)	
5/8" (15.9 mm)	
3/4" (19 mm)	
7/8" (22.2 mm)	

TITAN[®] TINES fit all current and late model Toro[®] aerators. Standard mount size fits most competitor equipment. Check mounting size to ensure compatibility. Prices subject to change without notice.

PROCORE 648/648s/864/1298 (see pages 9-18)

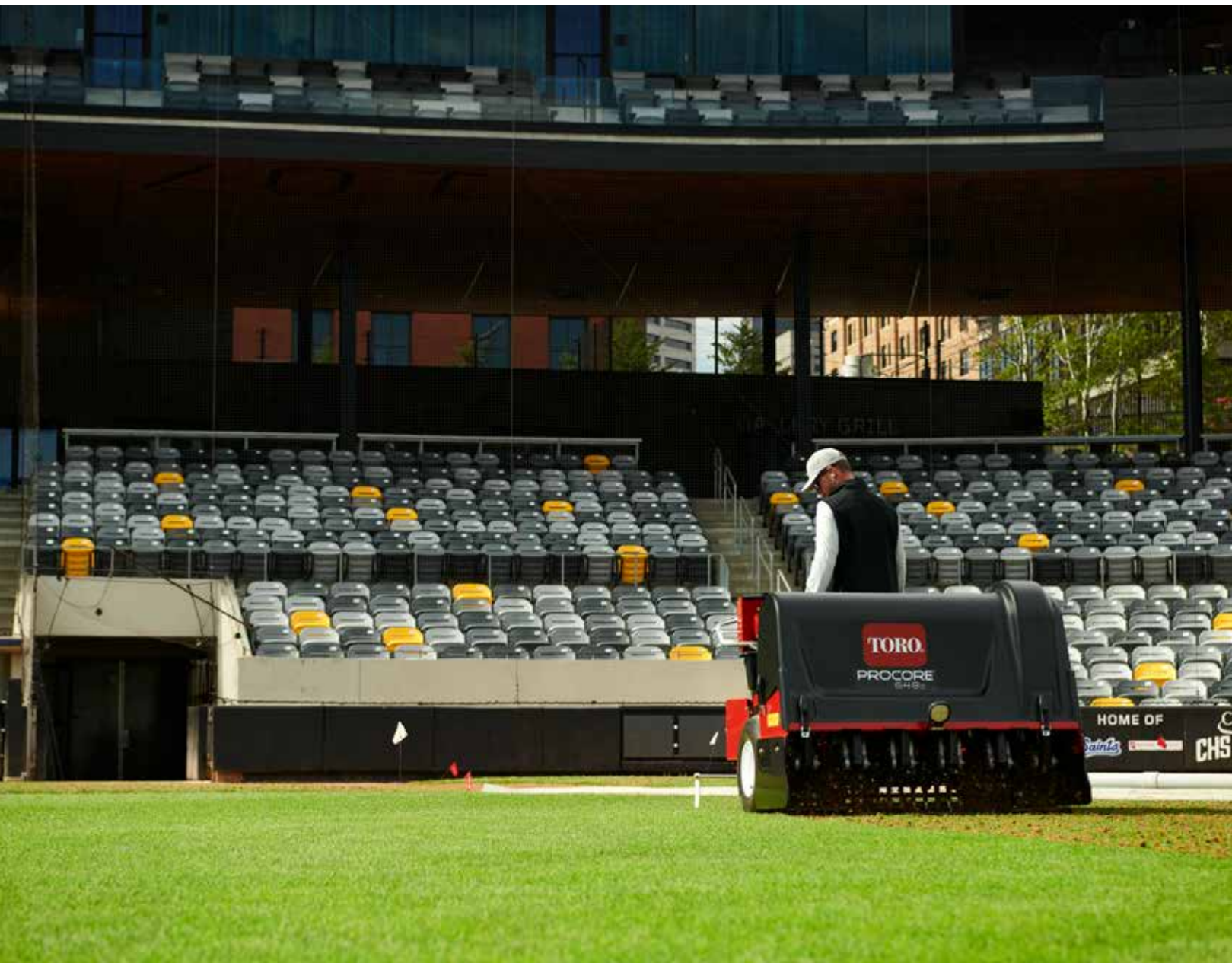
	QUAD TINE HEAD (1x6)		QUAD TINE HEAD (2x5)
Tine mount	3/8" (9.5 mm)	Tine mount	3/8" (9.5 mm)
Qty of tines	6	Qty of tines	10
	3/4" 3-TINE HEAD		3/4" 4-TINE HEAD
Tine mount	3/4" (19 mm)	Tine mount	3/4" (19 mm)
Qty of tines	3	Qty of tines	4
	QUICKCHANGE 3-TINE HEAD		QUICKCHANGE 4-TINE HEAD
Tine mount	3/4" (19 mm) or 7/8" (22.2 mm)	Tine mount	3/4" (19 mm) or 7/8" (22.2 mm)
Qty of tines	3	Qty of tines	4
	7/8" 3-TINE HD HEAD		NEEDLE TINE HEAD
Tine mount	7/8" (22.2 mm)	Tine mount	Needle
Qty of tines	3	Qty of tines	5

PROCORE 440/660/880 (see pages 19-22)

	QUAD TINE HEAD (1x6)		NEEDLE TINE HEAD
Tine mount	3/8" (9.5 mm)	Tine mount	Needle
Qty of tines	8	Qty of tines	6
	3/4" 3-TINE HEAD		3/4" 4-TINE HEAD
Tine mount	3/4" (19 mm)	Tine mount	3/4" (19 mm)
Qty of tines	3	Qty of tines	4
	7/8" 3-TINE HEAD		7/8" 4-TINE HEAD
Tine mount	7/8" (22.2 mm)	Tine mount	7/8" (22.2 mm)
Qty of tines	3	Qty of tines	4

PROCORE SR SERIES (see pages 31-39)

	SR54-S / SR70-S		SR54 / SR70
Tine mount	5/16" (7.9 mm) or 12.0 mm	Tine mount	5/16" (7.9 mm) or 12.0 mm
Qty of tines	3 or 4	Qty of tines	2 or 3
	SR48 / SR72		SR75
Tine mount	5/16" (7.9 mm), 12.0 mm or 18 mm	Tine mount	5/16" (7.9 mm) or 12.0 mm
Qty of tines	3 or 4	Qty of tines	2 or 3



AERATION EVALUATION GUIDE WITH TINE SELECTION CHART

When you're looking to keep your golf course and grounds in top shape, you need a system that helps you quickly choose the right treatment for your turf needs.

Aeration is the key and the tine selection chart offers you fast answers that convey exactly what you need to do to keep your turf looking great.

The tine selection guide makes it easy to choose and understand the right solution for your golf course and ground needs.



Preparing for step one: find your model number

TINE SELECTION CHART:

- Speed and ease of use
- Selection of proper turf guard based on aerator and tine configuration needs.
- Quickly identify the amount of soil removed and the percentage of surface area affected.

MODEL CONFIGURATION

Product	Description No	No	Lateral spacing options	Forward spacing options
ProCore 648/648s Model 09960	Needle tine head	09739	1.60" (4.1 cm)	09960 has hole spacing in 0.25" increments from 1" – 4.5" 1.5, 2, 2.5" (3.8; 5.1; 6.4 cm) 2.5" (6.4 cm) 1.5, 2, 2.5, 3" (3.8; 5.1; 6.4; 7.6 cm) 1.5, 2, 2.5, 3" (3.8; 5.1; 6.4; 7.6 cm) 1.5, 2, 2.5, 3" (3.8; 5.1; 6.4; 7.6 cm) 1.5, 2, 2.5, 3" (3.8; 5.1; 6.4; 7.6 cm) 1.5, 2, 2.5, 3" (3.8; 5.1; 6.4; 7.6 cm)
	Quad tine head, 2 rows of 5	09736	1.60" (4.1 cm)	
	Quad tine head, 1 rows of 6	09737	1.30" (3.3 cm)	
	3-tine, 3/4" (19 mm) mount head	09794	2.60" (6.6 cm)	
	4-tine, 3/4" (19 mm) mount head	09796	2.0" (5.1 cm)	
	3-tine HD, 7/8" (22.2 mm) mount head	09797	2.60" (6.6 cm)	
	4-tine Titan QuickChange	09719	2.0" (5.1 cm)	
ProCore 864/1298 Models 09715, 09716	3-tine Titan QuickChange	09711	2.60" (6.6 cm)	
	Needle tine head 660/880	09720	1.20" (3.0 cm)	
	Needle tine head 660/880	09720	1.20" (3.0 cm)	
	Quad tine head	09721	1.20" (3.0 cm)	
	3-tine, 3/4" (19.0 mm) mount head	09722	3.20" (8.1 cm)	
	4-tine, 3/4" (19.0 mm) mount head	09723	2.40" (6.1 cm)	
	4-tine, 7/8" (22.2 mm) mount head	09733	3.20" (8.1 cm)	
ProCore 440/660/880 Models 09701, 09702	4-tine, 7/8" (22.2 mm) mount head	09734	2.40" (6.1 cm)	
	3/4" (19.0 mm) head	59-2500	2.25" (5.7 cm)	
	7/8" (22.2 mm) head	62-4610		
	Needle head	94-3421		
3/4" z head	94-3420			
Toro greens aerator Models 09110, 09120	—	—	3.5" (8.9 cm)	3.0, 6.0" (7.6; 15.2 cm) 3.0, 6.0" (7.6; 15.2 cm)
	—	—	5.25" (13.3 cm)	
Toro fairway aerator Models 09500, 09501, 09502	—	—	—	—

* Tine depth can vary based on machine set-up.

PROCORE® 648/648s

PROCORE® 648/648s

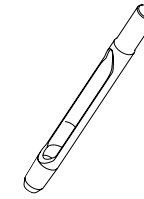


TINE HEADS AND TURF GUARDS

TINE HEADS		TINES REQ'D		TURF GUARDS		
Description	Part No	Qty	Part No	Qty	Part No	Qty
Needle tine head	09739	30	120-1047	2	120-1052	1
Quad tine $\frac{3}{8}$ " mount head, 2 rows of 5	09736	60	120-1047	2	120-1052	1
Quad tine $\frac{3}{8}$ " mount head, 1 row of 6	09737	36	120-1050	2	120-1053	1
3-tine, $\frac{3}{8}$ " mount head	09794	18	120-1044	2	110-4358	1
4-tine, $\frac{3}{8}$ " mount head	09796	24	120-1045	2	120-1046	1
3-tine HD, $\frac{3}{8}$ " mount head	09797	18	120-1044	2	110-4358	1
3-tine, Titan $\frac{3}{8}$ " or $\frac{7}{8}$ " mount QuickChange head	09711	18	120-1044	2	110-4358	1
4-tine, Titan $\frac{3}{8}$ " or $\frac{7}{8}$ " mount QuickChange head	09719	24	120-1045	2	120-1046	1

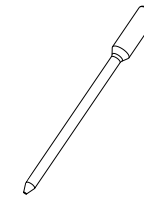
$\frac{3}{8}$ " (9.5 MM) MOUNT

TITAN QUAD



Length	Core dia. (ID)	OD	Wall thickness	Part No
4.50" (114.3 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	108-9104
4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	108-9105
4.50" (114.3 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9106
4.50" (114.3 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	108-9293
5.00" (127.0 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	138-5937
5.00" (127.0 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	137-6526
5.00" (127.0 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	137-6527
5.00" (127.0 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	137-6529
5.50" (139.7 mm)	0.41" (10.3 mm)	0.55" (14.7 mm)	0.063" (1.6 mm)	108-9290

TITAN SOLID ROUND



4.50" (114.3 mm)	-	0.20" (5.1 mm)	-	108-9230
4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9231
4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9232
4.50" (114.3 mm)	-	0.38" (9.7 mm)	-	108-9233
5.50" (139.7 mm)	-	0.20" (5.1 mm)	-	108-9234
5.50" (139.7 mm)	-	0.25" (6.3 mm)	-	108-9235
5.50" (139.7 mm)	-	0.30" (7.6 mm)	-	108-9236
5.50" (139.7 mm)	-	0.38" (9.7 mm)	-	108-9237

TITAN SOLID SLICING



5.00" (127.0 mm)	-	0.63" (15.9 mm)	-	108-9238
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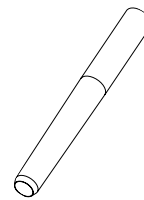
TITAN CROSS



4.50" (114.3 mm)	-	0.38" (9.5 mm)	-	108-9215
4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9216
4.50" (114.3 mm)	-	0.63" (15.9 mm)	-	108-9217
5.50" (139.7 mm)	-	0.38" (9.5 mm)	-	108-9218
5.50" (139.7 mm)	-	0.50" (12.7 mm)	-	108-9219
5.50" (139.7 mm)	-	0.63" (15.9 mm)	-	108-9220

$\frac{3}{4}$ " (19.0 MM) MOUNT

TITAN HOLLOW



4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9128
4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9129
4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9130
5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9132
5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9133
5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9134
6.50" (165.1 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9138
6.50" (165.1 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9136
6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9137

TITAN HOLLOW EXT. TAPER



5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0551
6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0550

TITAN® Max

QUAD MAX

Part No	Titan Max core ID
108-9112	0.23" (5.8 mm)
108-9114	0.28" (7.1 mm)
108-9116	0.38" (9.7 mm)
108-9145	0.28" (7.1 mm)
108-9120	0.23" (5.8 mm)
108-9145	0.28" (7.1 mm)
108-9124	0.38" (9.7 mm)
-	-
-	-

CROSS MAX

-	-
112-1310	-
-	-
-	-
112-1311	-
-	-

TITAN® Max

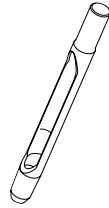
HOLLOW MAX

108-9139	0.28" (7.1 mm)
108-9141	0.38" (9.7 mm)
108-9143	0.48" (12.2 mm)
-	-
108-9147	0.38" (9.7 mm)
108-9149	0.48" (12.2 mm)
108-9135	0.28" (7.1 mm)
108-9151	0.38" (9.7 mm)
108-9153	0.48" (12.2 mm)

HOLLOW EXT. TAPER MAX

114-0553	0.47" (12.0 mm)
-	-

3/8" (9.5 MM) MOUNT

	Length	Core dia. (ID)	OD	Wall thickness	Part No
TITAN QUAD					
	4.50" (114.3 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	108-9104
	4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	108-9105
	4.50" (114.3 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9106
	4.50" (114.3 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	108-9293
	5.00" (127.0 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	138-5937
	5.00" (127.0 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	137-6526
	5.00" (127.0 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	137-6527
	5.00" (127.0 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	137-6529
	5.50" (139.7 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9290

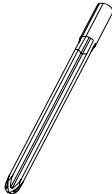
TITAN SOLID ROUND

	4.50" (114.3 mm)	-	0.20" (5.1 mm)	-	108-9230
	4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9231
	4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9232
	4.50" (114.3 mm)	-	0.38" (9.7 mm)	-	108-9233
	5.50" (139.7 mm)	-	0.20" (5.1 mm)	-	108-9234
	5.50" (139.7 mm)	-	0.25" (6.3 mm)	-	108-9235
	5.50" (139.7 mm)	-	0.30" (7.6 mm)	-	108-9236
	5.50" (139.7 mm)	-	0.38" (9.7 mm)	-	108-9237

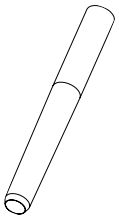
TITAN SOLID SLICING

	5.00" (127.0 mm)	-	0.63" (15.9 mm)	-	108-9238
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TITAN CROSS

	4.50" (114.3 mm)	-	0.38" (9.5 mm)	-	108-9215
	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9216
	4.50" (114.3 mm)	-	0.62" (15.7 mm)	-	108-9217
	5.50" (139.7 mm)	-	0.38" (9.5 mm)	-	108-9218
	5.50" (139.7 mm)	-	0.50" (12.7 mm)	-	108-9219
	5.50" (139.7 mm)	-	0.62" (15.7 mm)	-	108-9220

3/4" (19.0 MM) MOUNT

	Length	Core dia. (ID)	OD	Wall thickness	Part No
TITAN HOLLOW					
	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9128
	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9129
	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9130
	5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9132
	5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9133
	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9134
	6.50" (165.1 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9138
	6.50" (165.1 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9136
	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9137

TITAN® Max

Part No	Titan Max core ID
QUAD MAX	
108-9112	0.23" (5.8 mm)
108-9114	0.28" (7.1 mm)
108-9116	0.38" (9.7 mm)
-	-
108-9120	0.23" (5.8 mm)
108-9122	0.28" (7.1 mm)
108-9124	0.38" (9.7 mm)
-	-
-	-

CROSS MAX

-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-


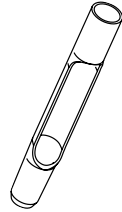
CROSS MAX

-	-
112-1310	-
-	-
-	-
112-1311	-
-	-


TITAN® Max

Part No	Titan Max core ID
HOLLOW MAX	
108-9139	0.28" (7.1 mm)
108-9141	0.38" (9.7 mm)
108-9143	0.48" (12.2 mm)
-	-
108-9147	0.38" (9.7 mm)
108-9149	0.48" (12.2 mm)
108-9135	0.28" (7.1 mm)
108-9151	0.38" (9.7 mm)
108-9153	0.48" (12.2 mm)


3/4" (19.0 MM) MOUNT – CONTINUED

	Length	Core dia. (ID)	OD	Wall thickness	Part No
TITAN HOLLOW EXT. TAPER					
	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0551
	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0550
SIDE EJECT					
	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9159
	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9160
	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9161
	5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9163
	5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9164
	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9165
	6.50" (165.1 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9162
	6.50" (165.1 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9167
	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9168


TITAN SIDE EJECT EXT. TAPER

	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0555
	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0558


TITAN SPLIT

	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	112-5122
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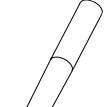
TITAN FAIRWAY HD

	5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	0.120" (3.0 mm)	108-9260
	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	108-9261

TITAN FAIRWAY

	5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	0.120" (3.1 mm)	104-9876
	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	104-9875

CLASSIC

	4.75" (120.6 mm)	0.40" (10.2 mm)	0.50" (12.7 mm)	0.049" (1.2 mm)	66-9140
	4.75" (120.6 mm)	0.50" (12.7 mm)	0.63" (15.9 mm)	0.049" (1.2 mm)	59-3670
	5.75" (146.0 mm)	0.51" (12.9 mm)	0.63" (15.9 mm)	0.058" (1.5 mm)	104-0984
	6.50" (165.1 mm)	0.39" (9.9 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	105-1180

TITAN® Max

Part No	Titan Max core ID
HOLLOW EXT. TAPER MAX	
114-0553	0.47" (12.0 mm)
-	-
SIDE EJECT MAX	
108-9170	0.28" (7.1 mm)
108-9172	0.38" (9.7 mm)
108-9174	0.48" (12.2 mm)
108-9176	0.28" (7.1 mm)
108-9178	0.38" (9.7 mm)
108-9180	0.48" (12.2 mm)
108-9166	0.28" (7.1 mm)
108-9182	0.38" (9.7 mm)
108-9184	0.48" (12.2 mm)

SIDE EJECT EXT. TAPER MAX

114-0557	0.47" (12.0 mm)
114-0560	0.47" (12.0 mm)

SIDE EJECT EXT. TAPER MAX

-	-
-	-

SIDE EJECT EXT. TAPER MAX

-	-
-	-

SIDE EJECT EXT. TAPER MAX

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-	-

SIDE EJECT EXT. TAPER MAX

-	-
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-	-
-	-

PROCORE® 440/660/880



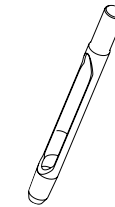
TINE HEADS AND TURF GUARDS

TINE HEADS		TINES REQ'D		TURF GUARDS					
Description	Part No	Qty 660	Qty 880	Part No	Qty 660	Qty 880	Part No	Qty 660	Qty 880
Needle tine head 660/880	09720	48	64	100-5418	6	-	100-5415	1	-
				100-5419	-	7			
Quad tine head, 3/8" (9.5 mm) mount	09721	60	80	100-5420	1	5	100-5421	8	4
3-tine head, 3/4" (19.0 mm) mount	09722	18	24	100-5414	2	5	100-5415	3	-
4-tine head, 3/4" (19.0 mm) mount	09723	24	32	100-5416	5	1	100-5417	-	4
3-tine head, 7/8" (22.2 mm) mount	09733	18	24	100-5414	2	5	100-5415	3	-
4-tine head, 7/8" (22.2 mm) mount	09734	24	32	100-5416	5	1	100-5417	-	4

PROCORE® 440/660/880

3/8" (9.5 MM) MOUNT

TITAN QUAD



Length	Core dia. (ID)	OD	Wall thickness	Part No
4.50" (114.3 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	108-9104
4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	108-9105
4.50" (114.3 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9106
4.50" (114.3 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	108-9293
5.00" (127.0 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	138-5937
5.00" (127.0 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	137-6526
5.00" (127.0 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	137-6527
5.00" (127.0 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	137-6529
5.50" (139.7 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9290

TITAN SOLID ROUND



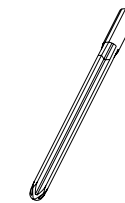
4.50" (114.3 mm)	-	0.20" (5.1 mm)	-	108-9230
4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9231
4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9232
4.50" (114.3 mm)	-	0.38" (9.7 mm)	-	108-9233
5.50" (139.7 mm)	-	0.20" (5.1 mm)	-	108-9234
5.50" (139.7 mm)	-	0.25" (6.3 mm)	-	108-9235
5.50" (139.7 mm)	-	0.30" (7.6 mm)	-	108-9236
5.50" (139.7 mm)	-	0.38" (9.7 mm)	-	108-9237

TITAN SOLID SLICING



5.00" (127.0 mm)	-	0.63" (15.9 mm)	-	108-9238
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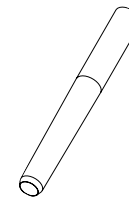
TITAN CROSS



4.50" (114.3 mm)	-	0.38" (9.5 mm)	-	108-9215
4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9216
4.50" (114.3 mm)	-	0.62" (15.7 mm)	-	108-9217
5.50" (139.7 mm)	-	0.38" (9.5 mm)	-	108-9218
5.50" (139.7 mm)	-	0.50" (12.7 mm)	-	108-9219
5.50" (139.7 mm)	-	0.62" (15.7 mm)	-	108-9220

3/4" (19.0 MM) MOUNT

TITAN HOLLOW



Length	Core dia. (ID)	OD	Wall thickness	Part No
4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9128
4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9129
4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9130
5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9132
5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9133
5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9134

TITAN® Max

QUAD MAX

Part No	Titan Max core ID
108-9112	0.23" (5.8 mm)
108-9114	0.28" (7.1 mm)
108-9116	0.38" (9.7 mm)
-	-
108-9120	0.23" (5.8 mm)
108-9122	0.28" (7.1 mm)
108-9124	0.38" (9.7 mm)
-	-
-	-

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-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CROSS MAX

-	-
112-1310	-
-	-
-	-
112-1311	-
-	-

TITAN® Max

HOLLOW MAX




Part No	Titan Max core ID
108-9139	0.28" (7.1 mm)
108-9141	0.38" (9.7 mm)
108-9143	0.48" (12.2 mm)
-	-
108-9147	0.38" (9.7 mm)
108-9149	0.48" (12.2 mm)

GREENS AERATOR



GREENS AERATOR





3/8" (9.5 MM) MOUNT

	Length	Core dia. (ID)	OD	Wall thickness	Part No
TITAN QUAD					
	4.50" (114.3 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	108-9104
	4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	108-9105
	4.50" (114.3 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9106
	4.50" (114.3 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	108-9293
TITAN SOLID ROUND					
	4.50" (114.3 mm)	-	0.20" (5.1 mm)	-	108-9230
	4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9231
	4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9232
	4.50" (114.3 mm)	-	0.38" (9.7 mm)	-	108-9233
TITAN CROSS					
	4.50" (114.3 mm)	-	0.38" (9.5 mm)	-	108-9215
	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9216
	4.50" (114.3 mm)	-	0.63" (15.9 mm)	-	108-9217

TITAN® Max

Part No	Titan Max Core ID
QUAD MAX	
108-9112	0.23" (5.8 mm)
108-9114	0.28" (7.1 mm)
108-9116	0.38" (9.7 mm)
-	-
-	-
-	-
-	-
CROSS MAX	
-	-
112-1310	-
-	-

3/4" (19.0 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW					
	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9128
	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9129
	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9130
TITAN SIDE EJECT					
	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9159
	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9160
	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9161
CLASSIC					
	4.75" (120.6 mm)	0.40" (10.2 mm)	0.50" (12.7 mm)	0.049" (1.2 mm)	66-9140
	4.75" (120.6 mm)	0.50" (12.7 mm)	0.63" (15.9 mm)	0.049" (1.2 mm)	59-3670
TITAN SOLID ROUND					
	4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9198
	4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9199
	4.50" (114.3 mm)	-	0.35" (8.9 mm)	-	108-9200
	4.50" (114.3 mm)	-	0.40" (10.2 mm)	-	108-9201
	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9202
	4.50" (114.3 mm)	-	0.60" (15.2 mm)	-	108-9203

TITAN® Max

Part Number	Titan Max Core ID
HOLLOW MAX	
108-9139	0.28" (7.1 mm)
108-9141	0.38" (9.7 mm)
108-9143	0.48" (12.2 mm)
SIDE EJECT MAX	
108-9170	0.28" (7.1 mm)
108-9172	0.38" (9.7 mm)
108-9174	0.48" (12.2 mm)

TINE HEADS AND TURF GUARDS



TINE HEADS		TINES REQ'D	TURF GUARDS	
Description	Part No		Part No	Qty Req'd
3/8" (9.5 mm) needle tine head	94-3421 Outboard block 94-6822 Inboard block	12		
1/2" (12.7 mm) tine head	94-3420	12	72-4660 (RH) 72-4680 (Ctr) 72-4640 (LH)	1 1 1
3/4" (19.0 mm) tine head	59-2500	12		
7/8" (22.2 mm) tine head	62-4610	12		

GREENS AERATOR

3/4" (19.0 MM) MOUNT – CONTINUED

	Length	Core dia. (ID)	OD	Wall thickness	Part No
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TITAN SOLID SLICING



	4.50" (114.3 mm)	–	0.75" (19.0 mm)	–	108-9239
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TITAN CROSS



	4.50" (114.3 mm)	–	0.50" (12.7 mm)	–	108-9221
	4.50" (114.3 mm)	–	0.75" (19.0 mm)	–	108-9223

7/8" (22.2 MM) MOUNT

	Length	Core dia. (ID)	OD	Wall thickness	Part No
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TITAN HOLLOW



	4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9190
	4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9191

TITAN SIDE EJECT



	4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9194
	4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9195

CLASSIC



	4.75" (120.6 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	0.065" (1.7 mm)	62-4600
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TITAN FAIRWAY



	4.75" (120.6 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	92-7941
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NEEDLE TINE



	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	6.43" (163.3 mm)	–	5.0 mm	–	100-3620

FAIRWAY AERATOR



TINE HEADS AND TURF GUARDS

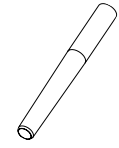
TINE HEADS		TINES REQ'D	TURF GUARDS	
Description	Part No		Part No	Qty Req'd
6-tine, 3/4" (19.0 mm) Block		36	70-9430	3
Outer	95-3103			
Bridging	95-3104			
Inner	95-3105		70-9440	
6-tine, 7/8" (22.2 mm) Block		12		
Outer	70-9380			
Bridging	70-9390			
Inner	70-9400			

FAIRWAY AERATOR

3/4" (19.0 MM) MOUNT

	Length	Core dia. (ID)	OD	Wall thickness	Part No
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TITAN HOLLOW



	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9128
	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9129
	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9130
	5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9132
	5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9133
	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9134

TITAN HOLLOW EXT. TAPER



	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0551
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TITAN SIDE EJECT



	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9159
	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9160
	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9161
	5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9163
	5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9164
	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9165

TITAN SIDE EJECT EXT. TAPER



	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0555
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TITAN SPLIT



	5.75" (146.0 mm)	0.64" (16.26 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	112-5122
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TITAN FAIRWAY HD



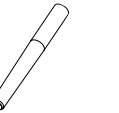
	5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	0.120" (3.0 mm)	108-9260
	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	108-9261

TITAN FAIRWAY



	5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	0.120" (3.0 mm)	104-9876
	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	104-9875

CLASSIC



	4.75" (120.6 mm)	0.40" (10.2 mm)	0.50" (12.7 mm)	0.049" (1.2 mm)	66-9140
	4.75" (120.6 mm)	0.50" (12.7 mm)	0.63" (15.9 mm)	0.049" (1.2 mm)	59-3670
	5.75" (146.0 mm)	0.51" (12.9 mm)	0.63" (15.9 mm)	0.058" (1.5 mm)	104-0984

TITAN[®] Max

Part No	Titan Max core ID
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HOLLOW MAX

108-9139	0.28" (7.1 mm)
108-9141	0.38" (9.7 mm)
108-9143	0.48" (12.2 mm)
–	–
108-9147	0.38" (9.7 mm)
108-9149	0.48" (12.2 mm)

HOLLOW EXT. TAPER MAX

114-0553	0.47" (12.0 mm)
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SIDE EJECT MAX

108-9170	0.28" (7.1 mm)
108-9172	0.38" (9.7 mm)
108-9174	0.48" (12.2 mm)
108-9176	0.28" (7.1 mm)
108-9178	0.38" (9.7 mm)
108-9180	0.48" (12.2 mm)

SIDE EJECT EXT. TAPER MAX

114-0557	0.47" (12.0 mm)
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FAIRWAY AERATOR

TITAN[®] Max

Part No	Titan Max Core ID
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HOLLOW MAX

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CROSS MAX

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–	–
112-1313	–
–	–

TITAN[®] Max

Part No	Titan Max core ID
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HOLLOW MAX

–	–
–	–
108-9157	0.48" (12.2 mm)
–	–

SIDE EJECT MAX

–	–
–	–
108-9188	0.48" (12.2 mm)
–	–

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–	–

3/4" (19.0 MM) MOUNT – CONTINUED

	Length	Core dia. (ID)	OD	Wall thickness	Part No
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TITAN SOLID ROUND



	4.50" (114.3 mm)	–	0.25" (6.3 mm)	–	108-9198
	4.50" (114.3 mm)	–	0.30" (7.6 mm)	–	108-9199
	4.50" (114.3 mm)	–	0.35" (8.9 mm)	–	108-9200
	4.50" (114.3 mm)	–	0.40" (10.2 mm)	–	108-9201
	4.50" (114.3 mm)	–	0.50" (12.7 mm)	–	108-9202
	4.50" (114.3 mm)	–	0.60" (15.2 mm)	–	108-9203
	5.50" (139.7 mm)	–	0.25" (6.3 mm)	–	108-9204
	5.50" (139.7 mm)	–	0.30" (7.6 mm)	–	108-9205
	5.50" (139.7 mm)	–	0.35" (8.9 mm)	–	108-9206
	5.50" (139.7 mm)	–	0.40" (10.2 mm)	–	108-9207
	5.50" (139.7 mm)	–	0.50" (12.7 mm)	–	108-9208
	5.50" (139.7 mm)	–	0.60" (15.2 mm)	–	108-9209
	5.50" (139.7 mm)	–	0.75" (19.0 mm)	–	108-9244

TITAN CROSS



	4.50" (114.3 mm)	–	0.50" (12.7 mm)	–	108-9221
	4.50" (114.3 mm)	–	0.75" (19.0 mm)	–	108-9223
	5.50" (139.7 mm)	–	0.50" (12.7 mm)	–	108-9224
	5.50" (139.7 mm)	–	0.75" (19.0 mm)	–	108-9226

7/8" (22.2 MM) MOUNT

	Length	Core dia. (ID)	OD	Wall thickness	Part No
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TITAN HOLLOW



	4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9190
	4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9191
	5.75" (146.0 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9192
	4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9193

TITAN SIDE EJECT



	4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9194
	5.75" (146.0 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9195
	5.75" (146.0 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9196
	5.75" (146.0 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9197







TITAN SPLIT



	5.75" (146.0 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	112-5121
	5.75" (146.0 mm)	0.64" (16.1 mm)	0.92" (23.4 mm)	0.120" (3.0 mm)	112-5123

FAIRWAY AERATOR



7/8" (22.2 MM) MOUNT – CONTINUED

	Length	Core dia. (ID)	OD	Wall thickness	Part No
TITAN FAIRWAY HD					
	5.75" (146.0 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	108-9264
	5.75" (146.0 mm)	0.64" (16.1 mm)	1.00" (25.4 mm)	0.122" (3.1 mm)	108-9265
TITAN FAIRWAY					
	4.75" (120.6 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	92-7941
	5.75" (146.0 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	92-7900
	5.75" (146.0 mm)	0.64" (16.1 mm)	1.00" (25.4 mm)	0.120" (3.0 mm)	104-9877
CLASSIC					
	4.75" (120.6 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	0.065" (1.7 mm)	62-4600
	5.75" (146.0 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	0.065" (1.7 mm)	86-9720
TITAN SOLID ROUND					
	5.50" (139.7 mm)	–	0.75" (19.0 mm)	–	108-9246
	5.50" (139.7 mm)	–	0.88" (22.2 mm)	–	108-9247
TITAN SOLID SLICING					
	4.50" (114.3 mm)	–	0.75" (19.0 mm)	–	108-9239
	5.50" (139.7 mm)	–	0.75" (19.0 mm)	–	108-9240
	5.50" (139.7 mm)	–	0.75" (19.0 mm)	–	108-9242
TITAN CROSS					
	5.50" (139.7 mm)	–	0.88" (22.2 mm)	–	108-9259

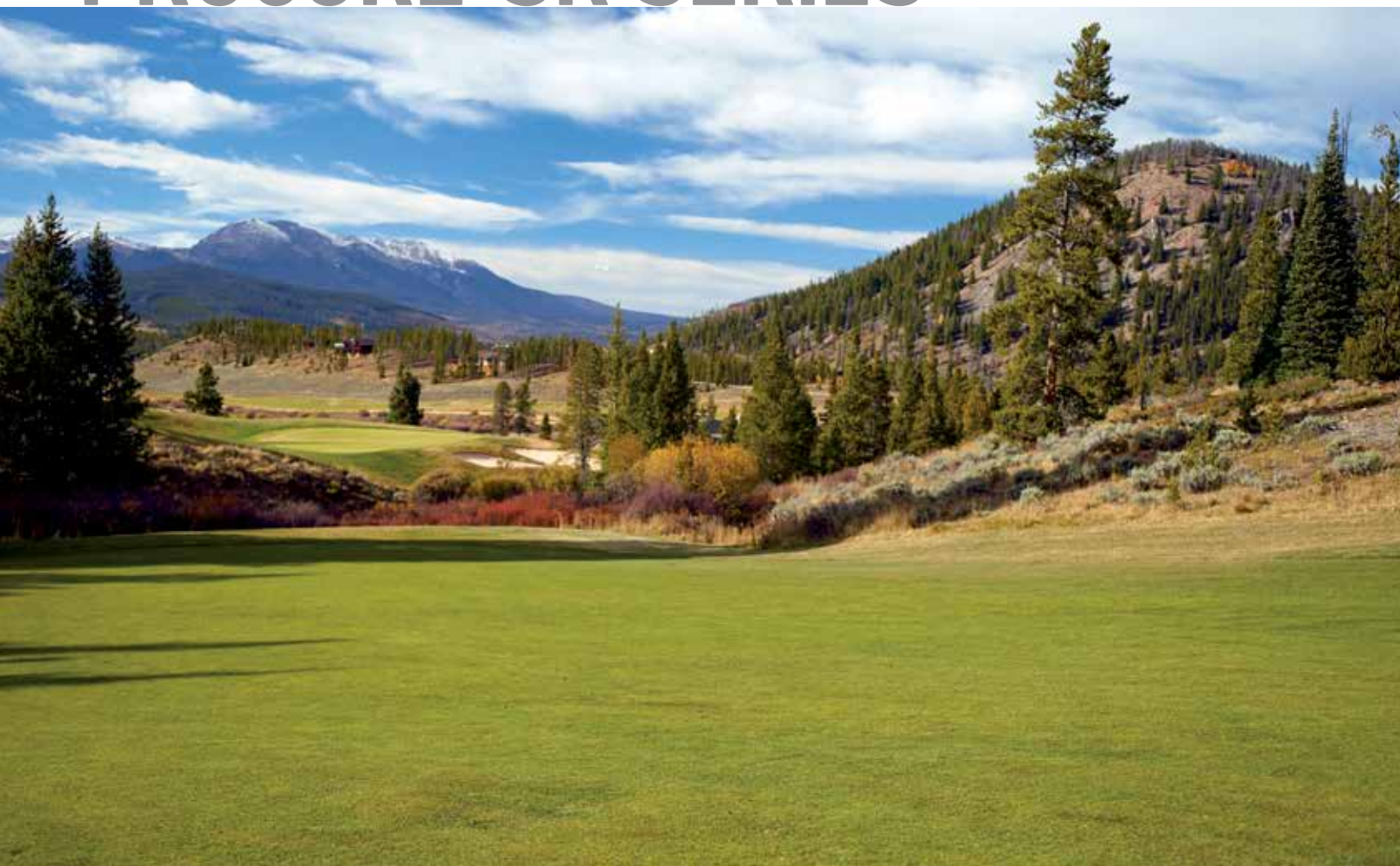
TURF AERATOR 686/687



TURF AERATOR 686/687

	Part No	Size	Quantity required
SPOON-OPEN			
	108-9296	1/2" (12.7 mm)	96 tines
	108-9298	3/4" (19.0 mm)	96 tines
SPOON-CLOSED			
	108-9297	1/2" (12.7 mm)	96 tines
	108-9299	3/4" (19.0 mm)	96 tines

PROCORE® SR SERIES



The ProCore SR series provides working widths of 48"–75" (122–190 cm), working depths up to 16" (40.6 cm) and hole spacing from 2.5"–6" (6.3–15.2 cm).

5/16" (7.9 MM), 12 MM OR 18 MM MOUNT

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8614	–	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8615	–	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8624	–	SGT10750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.81" (20.6 mm)	139-8613	–	SGT10813H
18.0 mm	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8622	–	SGT08125
18.0 mm	8.00" (203.2 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8628	–	SGT08100H
18.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8623	–	SGT10750
18.0 mm	10.00" (254.0 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8617	–	139-8617
18.0 mm	10.00" (254.0 mm)	0.76" (19.3 mm)	1.00" (25.4 mm)	139-8619	–	SGT10100S
18.0 mm	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8623	–	SGT12125
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	–	0.31" (7.9 mm)	SGS07313*	SGA08313	–
5/16" (7.9 mm)	10.00" (254.0 mm)	–	0.31" (7.9 mm)	SGS08313*	SGA08313	–
3/8" (9.5 mm)	9.00" (228.6 mm)	–	0.38" (9.5 mm)	SGS08375*	SGA12375	–
3/8" (9.5 mm)	10.75" (273.1 mm)	–	0.38" (9.5 mm)	SGS10374*	SGA12375	–
3/8" (9.5 mm)	12.25" (311.2 mm)	–	0.38" (9.5 mm)	SGS10375*	SGA12375	–
12.0 mm	8.00" (203.2 mm)	–	12.0 mm	SGS08500	–	–
12.0 mm	10.75" (273.1 mm)	–	12.0 mm	SGS10504	–	–
12.0 mm	12.25" (311.2 mm)	–	12.0 mm	SGS10500	–	–
12.0 mm	14.25" (361.9 mm)	–	12.0 mm	SGS12500	–	–
12.0 mm	16.25" (412.8 mm)	–	12.0 mm	SGS14500	–	–
18.0 mm	12.25" (311.2 mm)	–	18.0 mm	SGS10750	–	–
18.0 mm	12.50" (317.5 mm)	–	18.0 mm	SGS10875	–	–
18.0 mm	14.00" (355.6 mm)	–	18.0 mm	SGS12875	–	–
18.0 mm	14.25" (361.9 mm)	–	18.0 mm	SGS12750	–	–
18.0 mm	16.00" (406.4 mm)	–	18.0 mm	SGS14875	–	–
18.0 mm	16.25" (412.8 mm)	–	18.0 mm	SGS14750	–	–

SR48 ADAPTER HEAD KIT 117-7190

SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	–	0.31" (7.9 mm)	SGS07313	–	–
5/16" (7.9 mm)	10.00" (254.0 mm)	–	0.31" (7.9 mm)	SGS08313	–	–

SR48 ADAPTER HEAD KIT 117-7191

CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	–	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	–	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	–	SGT10750
SOLID TINES						
12.0 mm	8.00" (203.2 mm)	–	12.0 mm	SGS08500	–	–
12.0 mm	12.25" (311.2 mm)	–	12.0 mm	SGS10500	–	–
12.0 mm	14.25" (361.9 mm)	–	12.0 mm	SGS12500	–	–
12.0 mm	16.25" (412.8 mm)	–	12.0 mm	SGS14500	–	–

5/16" (7.9 MM) OR 12 MM MOUNT

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	SGA10375	-
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	-	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.38" (9.5 mm)	SGS08375*	SGA10375	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.38" (9.5 mm)	SGS10374*	SGA10375	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-

SR 54 ADAPTER HEAD KIT 117-7193 (36 TINES)

CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	-	SGT05550
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	-	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.38" (9.5 mm)	SGS08375*	SGA10375	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.38" (9.5 mm)	SGS10374*	SGA10375	-
3/8" (9.5 mm)	12.25" (311.2 mm)	-	0.38" (9.5 mm)	SGS10375*	SGA10375	-

*Longer shank tine.

SR 54 ADAPTER HEAD KIT 117-7193 (36 TINES) – CONTINUED

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	-	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-

SR 54-S ADAPTER HEAD KIT 117-7194 (12 TINES)

SOLID TINES						
18.0 mm	12.25" (311.2 mm)	-	18.0 mm	SGS10750	-	-

SR 54-S ADAPTER HEAD KIT 117-7195 (12 TINES)

CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	-	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-

SR 54-S ADAPTER HEAD KIT 117-7196 (24 TINES)

CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	-	SGT05550
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	-	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.38" (9.5 mm)	SGS08375	-	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.38" (9.5 mm)	SGS10374	-	-

SR 54-S ADAPTER HEAD KIT 117-7199 (48 TINES)

CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	-	SGT05550
SOLID TINES						
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.38" (9.5 mm)	SGS08375	-	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.38" (9.5 mm)	SGS10374	-	-

5/16" (7.9 MM) OR 12 MM MOUNT						
Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	SGA10375	SGT05550
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	-	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.38" (9.5 mm)	SGS08375	SGA10375	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.38" (9.5 mm)	SGS10374	SGA10375	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-

SR70 ADAPTER HEAD KIT 117-7193 (48 TINES)						
CORING TINES						3/8" (9.5 mm)
3/8" (9.5 mm)	5.50" (139.7 mm)	-	0.50" (12.7 mm)	139-8618	-	-
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.3125" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.3125" (7.9 mm)	SGS08313	-	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.375" (9.5 mm)	SGS08375	-	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.375" (9.5 mm)	SGS10374	-	-
3/8" (9.5 mm)	12.25" (311.2 mm)	-	0.375" (9.5 mm)	SGS10375	-	-

SR70 ADAPTER HEAD KIT 117-7193 (48 TINES)						
Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.3125" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.3125" (7.9 mm)	SGS08313	-	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-

SR70-S ADAPTER HEAD KIT 117-7194 (16 TINES)						
SOLID TINES						
18.0 mm	12.25" (311.2 mm)	-	18.0 mm	SGS10750	-	-

SR70-S ADAPTER HEAD KIT 117-7195 (16 TINES)						
CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750

SR70-S ADAPTER HEAD KIT 117-7195 (16 TINES)						
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.3125" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.3125" (7.9 mm)	SGS08313	-	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-

SR70-S ADAPTER HEAD KIT 117-7196 (32 TINES)						
CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	-	SGT05550
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.3125" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.3125" (7.9 mm)	SGS08313	-	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.375" (9.5 mm)	SGS08375	-	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.375" (9.5 mm)	SGS10374	-	-

SR70-S ADAPTER HEAD KIT 117-7199 (64 TINES)						
CORING TINES						
3/8" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	139-8618	-	SGT05550
SOLID TINES						
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.375" (9.5 mm)	SGS08375	-	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.375" (9.5 mm)	SGS10374	-	-

5/16" (7.9 MM), 12 MM OR 18 MM MOUNT

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
12.0 mm Long	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8614	-	SGT07625
12.0 mm Long	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8615	-	SGT07750
12.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8624	-	SGT10750
12.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.81" (20.6 mm)	139-8613	-	SGT10813H
18.0 mm Long	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8622	-	SGT10750
18.0 mm Long	8.00" (203.2 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8628	-	SGT08100H
18.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8623	-	SGT10100S
18.0 mm Long	10.00" (254.0 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8617	-	139-8617
18.0 mm Long	10.00" (254.0 mm)	0.76" (19.3 mm)	1.00" (25.4 mm)	139-8619	-	SGT08125
18.0 mm Long	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8627	-	SGT12125

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	SGS07313	SGA08313	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	SGS08313	SGA08313	-
3/8" (9.5 mm)	9.00" (228.6 mm)	-	0.375" (9.5 mm)	SGS08375	SGA12375	-
3/8" (9.5 mm)	10.75" (273.1 mm)	-	0.375" (9.5 mm)	SGS10374	SGA12375	-
3/8" (9.5 mm)	12.25" (311.2 mm)	-	0.375" (9.5 mm)	SGS10375	SGA12375	-
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	10.75" (273.1 mm)	-	12.0 mm	SGS10504	-	-
12.0 mm	12.25" (311.2 mm)	-	12.0 mm	SGS10500	-	-
12.0 mm	14.25" (361.9 mm)	-	12.0 mm	SGS12500	-	-
12.0 mm	16.25" (412.8 mm)	-	12.0 mm	SGS14500	-	-
18.0 mm	12.25" (311.2 mm)	-	18.0 mm	SGS10750	-	-
18.0 mm	12.50" (317.5 mm)	-	18.0 mm	SGS10875	-	-
18.0 mm	14.00" (355.6 mm)	-	18.0 mm	SGS12875	-	-
18.0 mm	14.25" (361.9 mm)	-	18.0 mm	SGS12750	-	-
18.0 mm	16.00" (406.4 mm)	-	18.0 mm	SGS14875	-	-
18.0 mm	16.25" (412.8 mm)	-	18.0 mm	SGS14750	-	-

SR72 ADAPTER HEAD KIT 117-7190 (60 TINES)

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
SOLID TINES						
5/16" (7.9 mm)	8.50" (215.9 mm)	-	0.3125" (7.9 mm)	SGS07313	-	-
5/16" (7.9 mm)	10.00" (254.0 mm)	-	0.3125" (7.9 mm)	SGS08313	-	-

SR72 ADAPTER HEAD KIT 117-7191 (60 TINES)

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8616	-	SGT07625
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8625	-	SGT07750
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8620	-	SGT10750

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
SOLID TINES						
12.0 mm	8.00" (203.2 mm)	-	12.0 mm	SGS08500	-	-
12.0 mm	12.25" (311.2 mm)	-	12.0 mm	SGS10500	-	-
12.0 mm	14.25" (361.9 mm)	-	12.0 mm	SGS12500	-	-
12.0 mm	16.25" (412.8 mm)	-	12.0 mm	SGS14500	-	-

*Longer shank tine.

7/8" (22.2 MM) MOUNT

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
18.0 mm Long	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8622	SG715802	SGT08125
18.0 mm Long	8.00" (203.2 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8628	SG715802	SGT08100H
18.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8623	SG715802	SGT10750
18.0 mm Long	10.00" (254.0 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8617	SG715802	139-8617
18.0 mm Long	10.00" (254.0 mm)	0.76" (19.3 mm)	1.00" (25.4 mm)	139-8619	SG715802	SGT10100S
18.0 mm Long	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8627	SG715802	SGT12125
7/8" (22.2 mm) Long	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8626	-	SGT08125
7/8" (22.2 mm) Long	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8621	-	SGT12125

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
SOLID TINES						
18.0 mm	12.25" (311.2 mm)	-	18.0 mm	SGS10750	SG715802	-
18.0 mm	12.50" (317.5 mm)	-	0.875" (22.2 mm)	SGS10875	SG715802	-
18.0 mm	14.00" (355.6 mm)	-	0.875" (22.2 mm)	SGS12875	SG715802	-
18.0 mm	14.25" (361.9 mm)	-	18.0 mm	SGS12750	SG715802	-
18.0 mm	16.00" (406.4 mm)	-	0.875" (22.2 mm)	SGS14875	SG715802	-
18.0 mm	16.25" (412.8 mm)	-	18.0 mm	SGS14750	SG715802	-
7/8" (22.2 mm)	12.50" (317.5 mm)	-	0.875" (22.2 mm)	SGS10876	-	-
7/8" (22.2 mm)	14.00" (355.6 mm)	-	0.875" (22.2 mm)	SGS12876	-	-
7/8" (22.2 mm)	17.88" (454.2 mm)	-	1.00" (25.4 mm)	SGS16100	-	-

SR75 ADAPTER HEAD KIT 117-7198 (5/32X15/32" [4X12 MM] = 24 TINES OR 1/8X11/16" [3X18MM] = 18 TINES)

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	Replacement tube
CORING TINES						
12.0 mm Long	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	139-8614	-	SGT07625
12.0 mm Long	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	139-8615	-	SGT07750
12.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.81" (20.6 mm)	139-8613	-	SGT10813H
12.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8624	-	SGT10750
18.0 mm Long	8.00" (203.2 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8628	-	SGT08100H
18.0 mm Long	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8622	-	SGT08125
18.0 mm Long	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	139-8623	-	SGT07625
18.0 mm Long	10.00" (254.0 mm)	0.76" (19.3 mm)	1.00" (25.4 mm)	139-8619	-	SGT10100S
18.0 mm Long	10.00" (254.0 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	139-8617	-	139-8617
18.0 mm Long	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	139-8627	-	SGT12125

*Longer shank tine.

ADAPTER HEAD KIT 117-7198 – CONTINUED

Mount	Length	Core dia. (ID)	OD	Part	Adapter sleeve	12.0 mm Replacement tube
<i>SOLID TINES</i>						
12.0 mm	8.00" (203.2 mm)	–	12.0 mm	SGS08500	–	–
12.0 mm	10.75" (273.1 mm)	–	12.0 mm	SGS10504	–	–
12.0 mm	12.25" (311.2 mm)	–	12.0 mm	SGS10500	–	–
12.0 mm	14.25" (361.9 mm)	–	12.0 mm	SGS12500	–	–
12.0 mm	16.25" (412.8 mm)	–	12.0 mm	SGS14500	–	–
18.0 mm	12.25" (311.2 mm)	–	18.0 mm	SGS10750	–	–
18.0 mm	12.50" (317.5 mm)	–	0.875" (22.2 mm)	SGS10875	–	–
18.0 mm	14.00" (355.6 mm)	–	0.875" (22.2 mm)	SGS12875	–	–
18.0 mm	14.25" (361.9 mm)	–	18.0 mm	SGS12750	–	–
18.0 mm	16.00" (406.4 mm)	–	0.875" (22.2 mm)	SGS14875	–	–
18.0 mm	16.25" (412.8 mm)	–	18.0 mm	SGS14750	–	–

COMPETITIVE MODELS



TITAN® conversion sleeves

Part No	Description	Mount
112-1300	Sleeve	½" (12.7 mm)
112-1301	Sleeve	⅝" (15.9 mm)

Easily converts TITAN® tines to ½" (12.7 mm) and ⅝" (15.9 mm) mount. Toro® conversion sleeves allow the complete selection of Toro tines to fit on most competitive equipment. The conversion sleeve slides onto a ⅜" (9.5 mm) mount Toro tine to create a ½" (12.7 mm) mount or ⅝" (15.9 mm) mount.

TITAN® TINES COMPETITIVE MODELS

3/8" (9.5 MM) MOUNT					TITAN® Max		Competitive model	
Length	Core dia. (ID)	OD	Part No	Wall	Part No	Core dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN QUAD					QUAD MAX			
4.50" (114.3 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	108-9104	0.052" (1.3 mm)	108-9112	0.23" (5.8 mm)	X	X
4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	108-9105	0.063" (1.6 mm)	108-9114	0.28" (7.1 mm)	X	X
4.50" (114.3 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	108-9106	0.063" (1.6 mm)	108-9116	0.38" (9.7 mm)	X	X
4.50" (114.3 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	108-9293	0.049" (1.2 mm)	-	-	X	X
5.00" (127.0 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	138-5937	0.052" (1.3 mm)	108-9120	0.23" (5.8 mm)	X	X
5.00" (127.0 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	137-6526	0.063" (1.6 mm)	108-9122	0.28" (7.1 mm)	X	X
5.00" (127.0 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	137-6527	0.063" (1.6 mm)	108-9124	0.38" (9.7 mm)	X	X
5.00" (127.0 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	137-6529	0.049" (1.2 mm)	-	-	X	X
TITAN SOLID ROUND								
4.50" (114.3 mm)	-	0.20" (5.1 mm)	108-9230	-	-	-	X	X
4.50" (114.3 mm)	-	0.25" (6.3 mm)	108-9231	-	-	-	X	X
4.50" (114.3 mm)	-	0.30" (7.6 mm)	108-9232	-	-	-	X	X
4.50" (114.3 mm)	-	0.38" (9.7 mm)	108-9233	-	-	-	X	X
5.50" (139.7 mm)	-	0.20" (5.1 mm)	108-9234	-	-	-	X	X
5.50" (139.7 mm)	-	0.25" (6.3 mm)	108-9235	-	-	-	X	X
5.50" (139.7 mm)	-	0.30" (7.6 mm)	108-9236	-	-	-	X	X
5.50" (139.7 mm)	-	0.38" (9.7 mm)	108-9237	-	-	-	X	X
TITAN SOLID SLICING								
5.00" (127.0 mm)	-	0.63" (15.9 mm)	108-9238	-	-	-	X	X
TITAN CROSS					CROSS MAX			
4.50" (114.3 mm)	-	0.38" (9.5 mm)	108-9215	-	-	-	X	X
4.50" (114.3 mm)	-	0.50" (12.7 mm)	108-9216	-	112-1310	-	X	X
4.50" (114.3 mm)	-	0.63" (15.9 mm)	108-9217	-	-	-	X	X
5.50" (139.7 mm)	-	0.38" (9.5 mm)	108-9218	-	-	-	X*	X
5.50" (139.7 mm)	-	0.50" (12.7 mm)	108-9219	-	112-1311	-	X*	X
5.50" (139.7 mm)	-	0.63" (15.9 mm)	108-9220	-	-	-	X*	X

*Only available on GA 30/60 models

TITAN® TINES COMPETITIVE MODELS

1/2" (12.7 MM) MOUNT					TITAN® Max		Competitive model	
Length	Core dia. (ID)	OD	Part No	Wall	Part No	Core dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN QUAD					QUAD MAX			
4.50" (114.3 mm)	0.32" (8.3 mm)	0.46" (11.6 mm)	112-1316	0.063" (1.6 mm)	112-1322	0.28" (7.1 mm)	X	-
TITAN SOLID ROUND								
4.50" (114.3 mm)	-	0.50" (12.7 mm)	112-1347	-	-	-	X	-
5.50" (139.7 mm)	-	0.25" (6.3 mm)	112-1329	-	-	-	X	-
TITAN SOLID SLICING								
5.00" (127.0 mm)	-	0.63" (15.9 mm)	112-5102	-	-	-	X	-
5/8" (15.8 MM) MOUNT					TITAN® Max		Competitive model	
Length	Core dia. (ID)	OD	Part No	Wall	Part No	Core dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN SIDE EJECT								
4.50" (114.3 mm)	0.43" (10.9 mm)	0.56" (14.2 mm)	112-1303	0.058" (1.5 mm)	112-1304	0.38" (9.5 mm)	X	-
TITAN SOLID ROUND								
4.50" (114.3 mm)	-	0.63" (15.9 mm)	112-1348	-	-	-	X	-
TITAN SOLID SLICING								
5.00" (127.0 mm)	-	0.63" (15.9 mm)	112-5103	-	-	-	X	-

*Only available on GA 30/60 models

3/4" (19.0 MM) MOUNT					TITAN® Max		Competitive model	
Length	Core dia. (ID)	OD	Part No	Wall	Part No	Core dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN HOLLOW					HOLLOW MAX			
4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	108-9128	0.058" (1.5 mm)	108-9139	0.28" (7.1 mm)	X	X
4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	108-9129	0.058" (1.5 mm)	108-9141	0.38" (9.7 mm)	X	X
4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	108-9130	0.058" (1.5 mm)	108-9143	0.48" (12.2 mm)	X	X
5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	108-9132	0.058" (1.5 mm)	-	-	-	-
5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	108-9133	0.058" (1.5 mm)	108-9147	0.38" (9.7 mm)	X*	X
5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	108-9134	0.058" (1.5 mm)	108-9149	0.48" (12.2 mm)	X*	X
TITAN HOLLOW EXT. TAPER					HOLLOW EXT. TAPER MAX			
5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	114-0551	0.058" (1.5 mm)	114-0553	0.47" (12.0 mm)	X*	X
TITAN SIDE EJECT					SIDE EJECT MAX			
4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	108-9159	0.058" (1.5 mm)	108-9170	0.28" (7.1 mm)	X	-
4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	108-9160	0.058" (1.5 mm)	108-9172	0.38" (9.7 mm)	X	-
4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	108-9161	0.058" (1.5 mm)	108-9174	0.48" (12.2 mm)	X	-
5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	108-9163	0.058" (1.5 mm)	108-9176	0.28" (7.1 mm)	-	X
5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	108-9164	0.058" (1.5 mm)	108-9178	0.38" (9.7 mm)	-	X
5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	108-9165	0.058" (1.5 mm)	108-9180	0.47" (12.2 mm)	-	X
TITAN SIDE EJECT EXT. TAPER					SIDE EJECT EXT. TAPER MAX			
5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	114-0555	0.058" (1.5 mm)	114-0557	0.47" (12.0 mm)	-	X
TITAN FAIRWAY HD								
5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	108-9260	0.120" (3.0 mm)	-	-	X*	X
5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	108-9261	0.120" (3.0 mm)	-	-	X*	X
TITAN FAIRWAY								
5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	104-9876	0.120" (3.0 mm)	-	-	-	X
5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	104-9875	0.120" (3.0 mm)	-	-	-	X
CLASSIC								
4.75" (120.6 mm)	0.40" (10.2 mm)	0.50" (12.7 mm)	66-9140	0.049" (1.2 mm)	-	-	X	X
4.75" (120.6 mm)	0.50" (12.7 mm)	0.63" (15.9 mm)	59-3670	0.049" (1.2 mm)	-	-	X	X
5.75" (146.0 mm)	0.51" (12.9 mm)	0.63" (15.9 mm)	104-0984	0.058" (1.5 mm)	-	-	X*	X
TITAN SOLID ROUND								
4.50" (114.3 mm)	-	0.25" (6.3 mm)	108-9198	-	-	-	X	X
4.50" (114.3 mm)	-	0.30" (7.6 mm)	108-9199	-	-	-	X	X
4.50" (114.3 mm)	-	0.35" (8.9 mm)	108-9200	-	-	-	X	X
4.50" (114.3 mm)	-	0.40" (10.2 mm)	108-9201	-	-	-	X	X
4.50" (114.3 mm)	-	0.50" (12.7 mm)	108-9202	-	-	-	X	X
4.50" (114.3 mm)	-	0.60" (15.2 mm)	108-9203	-	-	-	X	X
5.50" (139.7 mm)	-	0.25" (6.3 mm)	108-9204	-	-	-	X*	X
5.50" (139.7 mm)	-	0.30" (7.6 mm)	108-9205	-	-	-	X*	X
5.50" (139.7 mm)	-	0.35" (8.9 mm)	108-9206	-	-	-	X*	X
5.50" (139.7 mm)	-	0.40" (10.2 mm)	108-9207	-	-	-	X*	X
5.50" (139.7 mm)	-	0.50" (12.7 mm)	108-9208	-	-	-	X*	X
5.50" (139.7 mm)	-	0.60" (15.2 mm)	108-9209	-	-	-	X*	X
5.50" (139.7 mm)	-	0.75" (19.0 mm)	108-9244	-	-	-	X*	X

*Only available on GA 30/60 models

3/4" (19.0 MM) MOUNT – CONTINUED					TITAN® Max		Competitive model	
Length	Core dia. (ID)	OD	Part No	Wall	Part No	Core dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN SOLID SLICING								
4.50" (114.3 mm)	-	0.75" (19.0 mm)	108-9239	-	-	-	X	X
5.50" (139.7 mm)	-	0.75" (19.0 mm)	108-9240	-	-	-	X*	X
TITAN CROSS					CROSS MAX			
4.50" (114.3 mm)	-	0.50" (12.7 mm)	108-9221	-	-	-	X	X
4.50" (114.3 mm)	-	0.75" (19.0 mm)	108-9223	-	-	-	X	X
5.50" (139.7 mm)	-	0.50" (12.7 mm)	108-9224	-	112-1313	-	X*	X
5.50" (139.7 mm)	-	0.75" (19.0 mm)	108-9226	-	-	-	X*	X
TITAN HOLLOW					HOLLOW MAX			
4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	108-9190	0.058" (1.5 mm)	-	-	X*	X
4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	108-9191	0.058" (1.5 mm)	-	-	X*	X
5.75" (146.0 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	108-9192	0.058" (1.5 mm)	108-9157	0.48" (12.2 mm)	X*	X
5.75" (146.0 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	108-9193	0.058" (1.5 mm)	-	-	X*	X
TITAN SIDE EJECT					SIDE EJECT MAX			
4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	108-9194	0.058" (1.5 mm)	-	-	X*	X
4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	108-9195	0.058" (1.5 mm)	-	-	X*	X
5.75" (146.0 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	108-9196	0.058" (1.5 mm)	108-9188	0.48" (12.2 mm)	X*	X
5.75" (146.0 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	108-9197	0.058" (1.5 mm)	-	-	X*	X
TITAN FAIRWAY HD								
5.75" (146.0 mm)	0.640" (16.3 mm)	0.88" (22.2 mm)	108-9264	0.122" (3.1 mm)	-	-	X*	X
5.75" (146.0 mm)	0.640" (16.3 mm)	1.0" (25.4 mm)	108-9265	0.122" (3.1 mm)	-	-	X*	X
TITAN FAIRWAY								
4.75" (120.6 mm)	16.3 mm (.640")	0.88" (22.2 mm)	92-7941	0.122" (3.1 mm)	-	-	X	X
5.75" (146.0 mm)	16.3 mm (.640")	0.88" (22.2 mm)	92-7900	0.122" (3.1 mm)	-	-	X*	X
5.75" (146.0 mm)	16.3 mm (.640")	1.0" (25.4 mm)	104-9877	0.120" (3.0 mm)	-	-	X*	X
CLASSIC								
4.75" (120.6 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	62-4600	0.065" (1.7 mm)	-	-	X*	X
5.75" (146.0 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	86-9720	0.065" (1.7 mm)	-	-	X*	X
TITAN SOLID ROUND								
5.50" (139.7 mm)	-	0.75" (19.0 mm)	108-9246	-	-	-	X*	X
5.50" (139.7 mm)	-	0.88" (22.2 mm)	108-9247	-	-	-	X*	X
TITAN SOLID SLICING								
5.50" (139.7 mm)	-	0.75" (19.0 mm)	108-9242	-	-	-	X*	X
TITAN CROSS								
5.50" (139.7 mm)	-	0.88" (22.2 mm)	108-9259	-	-	-	X*	X

*Only available on GA 30/60 models

QUICK REFERENCE

Mount	Length	ID	OD	Wall thickness	Part No	Titan® Max part No
<i>TITAN Quad and Max Quad</i>						
½" (12.7 mm)	4.50" (114.3 mm)	0.32" (8.3 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	112-1316	-
¾" (9.5 mm)	4.50" (114.3 mm)	0.25" (6.3 mm)	0.36" (9.1 mm)	0.052" (1.3 mm)	108-9104	108-9112
¾" (9.5 mm)	4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	108-9105	108-9114
¾" (9.5 mm)	4.50" (114.3 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	108-9106	108-9116
¾" (9.5 mm)	4.50" (114.3 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	108-9293	-
¾" (9.5 mm)	5.00" (127.0 mm)	0.25" (6.3 mm)	0.55" (14.0 mm)	0.052" (1.3 mm)	138-5937	108-9120
¾" (9.5 mm)	5.00" (127.0 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	137-6526	108-9122
¾" (9.5 mm)	5.00" (127.0 mm)	0.41" (10.3 mm)	0.55" (13.9 mm)	0.063" (1.6 mm)	137-6527	108-9124
¾" (9.5 mm)	5.00" (127.0 mm)	0.48" (12.2 mm)	0.58" (14.7 mm)	0.049" (1.2 mm)	137-6529	-
¾" (9.5 mm)	5.50" (139.7 mm)	0.41" (10.3 mm)	0.58" (14.7 mm)	0.063" (1.6 mm)	108-9290	-
¾" (15.9 mm)	4.50" (114.3 mm)	0.32" (8.1 mm)	0.46" (11.6 mm)	0.063" (1.6 mm)	112-1332	112-1338

TITAN Hollow and Max Hollow

¾" (19.0 mm)	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9128	108-9139
¾" (19.0 mm)	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9129	108-9141
¾" (19.0 mm)	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9130	108-9143
¾" (19.0 mm)	5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9132	-
¾" (19.0 mm)	5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9133	108-9147
¾" (19.0 mm)	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9134	108-9149
¾" (19.0 mm)	6.50" (165.1 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9138	108-9135
¾" (19.0 mm)	6.50" (165.1 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9136	108-9151
¾" (19.0 mm)	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9137	108-9153
¾" (22.2 mm)	4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9190	-
¾" (22.2 mm)	4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9191	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9192	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9193	-

TITAN Hollow Extended Taper and Max Extended Taper

¾" (19.0 mm)	5.75" (146.0 mm)	0.47" (11.9 mm)	0.68" (17.3 mm)	0.058" (1.5 mm)	114-0553	-
¾" (19.0 mm)	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0551	114-0553
¾" (19.0 mm)	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0550	-

TITAN Side Eject and Max Side Eject

¾" (19.0 mm)	4.75" (120.6 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9159	108-9170
¾" (19.0 mm)	4.75" (120.6 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9160	108-9172
¾" (19.0 mm)	4.75" (120.6 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9161	108-9174
¾" (19.0 mm)	5.75" (146.0 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9163	108-9176
¾" (19.0 mm)	5.75" (146.0 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9164	108-9178
¾" (19.0 mm)	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9165	108-9180
¾" (19.0 mm)	6.50" (165.1 mm)	0.28" (7.1 mm)	0.46" (11.7 mm)	0.058" (1.5 mm)	108-9162	108-9166
¾" (19.0 mm)	6.50" (165.1 mm)	0.41" (10.3 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	108-9167	108-9182
¾" (19.0 mm)	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9168	108-9184
¾" (15.9 mm)	4.50" (114.3 mm)	0.43" (12.7 mm)	0.56" (14.2 mm)	0.058" (1.5 mm)	112-1303	-
¾" (22.2 mm)	4.75" (120.6 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9194	-
¾" (22.2 mm)	4.75" (120.6 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9195	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.51" (13.0 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	108-9196	108-9188
¾" (22.2 mm)	5.75" (146.0 mm)	0.63" (16.0 mm)	0.76" (19.3 mm)	0.058" (1.5 mm)	108-9197	-

TITAN Side Eject Extended Taper and Extended Taper Max

¾" (19.0 mm)	5.75" (146.0 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0555	114-0557
¾" (19.0 mm)	6.50" (165.1 mm)	0.53" (13.4 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	114-0558	114-0560

QUICK REFERENCE

Mount	Length	ID	OD	Wall thickness	Part No	Titan® Max part No
<i>Toro Classic Hollow</i>						
¾" (19.0 mm)	4.75" (120.6 mm)	0.40" (10.2 mm)	0.50" (12.7 mm)	0.049" (1.2 mm)	66-9140	-
¾" (19.0 mm)	4.75" (120.6 mm)	0.50" (12.7 mm)	0.63" (15.9 mm)	0.049" (1.2 mm)	59-3670	-
¾" (19.0 mm)	5.75" (146.0 mm)	0.51" (12.9 mm)	0.63" (15.9 mm)	0.058" (1.5 mm)	104-0984	-
¾" (19.0 mm)	6.50" (165.1 mm)	0.39" (9.9 mm)	0.66" (16.8 mm)	0.058" (1.5 mm)	105-1180	-
¾" (22.2 mm)	4.75" (120.6 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	0.065" (1.7 mm)	62-4600	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.60" (15.2 mm)	0.75" (19.0 mm)	0.065" (1.7 mm)	86-9720	-

TITAN Fairway

¾" (19.0 mm)	5.75" (146.0 mm)	0.51" (12.9 mm)	0.77" (19.6 mm)	0.120" (3.0 mm)	104-9876	-
¾" (19.0 mm)	5.75" (146.0 mm)	0.51" (12.9 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	104-9875	-
¾" (22.2 mm)	4.75" (120.6 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	92-7941	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	92-7900	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.64" (16.1 mm)	1.0" (25.4 mm)	0.120" (3.0 mm)	104-9877	-

TITAN HD Fairway

¾" (19.0 mm)	5.75" (146.0 mm)	0.51" (12.95 mm)	0.77" (19.6 mm)	0.120" (3.0 mm)	108-9260	-
¾" (19.0 mm)	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	108-9261	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.122" (3.1 mm)	108-9264	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.64" (16.1 mm)	1.0" (25.4 mm)	0.122" (3.1 mm)	108-9265	-

TITAN Split Tine

¾" (19.0 mm)	5.75" (146.0 mm)	0.51" (12.95 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	112-5121	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.64" (16.1 mm)	0.88" (22.4 mm)	0.120" (3.0 mm)	112-5122	-
¾" (22.2 mm)	5.75" (146.0 mm)	0.64" (16.1 mm)	0.92" (23.4 mm)	0.120" (3.0 mm)	112-5123	-

TITAN Solid Round

½" (12.7 mm)	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	112-1347	-
½" (12.7 mm)	5.00" (127.0 mm)	-	0.25" (6.3 mm)	-	112-1329	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9198	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9199	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.35" (8.9 mm)	-	108-9200	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.40" (10.2 mm)	-	108-9201	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9202	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.60" (15.2 mm)	-	108-9203	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.25" (6.3 mm)	-	108-9204	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.30" (7.6 mm)	-	108-9205	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.35" (8.9 mm)	-	108-9206	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.40" (10.2 mm)	-	108-9207	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.50" (12.7 mm)	-	108-9208	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.60" (15.2 mm)	-	108-9209	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.75" (19.0 mm)	-	108-9244	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.30" (7.6 mm)	-	108-9210	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.35" (8.9 mm)	-	108-9211	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.40" (10.2 mm)	-	108-9212	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.50" (12.7 mm)	-	108-9213	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.60" (15.2 mm)	-	108-9214	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.75" (19.0 mm)	-	108-9245	-
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.20" (5.1 mm)	-	108-9230	-
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.25" (6.3 mm)	-	108-9231	-
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.30" (7.6 mm)	-	108-9232	-
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.38" (9.7 mm)	-	108-9233	-
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.20" (5.1 mm)	-	108-9234	-
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.25" (6.3 mm)	-	108-9235	-
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.30" (7.6 mm)	-	108-9236	-
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.38" (9.7 mm)	-	108-9237	-
¾" (15.9 mm)	4.50" (114.3 mm)	-	0.63" (15.9 mm)	-	112-1348	-
¾" (22.2 mm)	5.50" (139.7 mm)	-	0.75" (19.0 mm)	-	108-9246	-
¾" (22.2 mm)	5.50" (139.7 mm)	-	0.88" (22.2 mm)	-	108-9247	-
¾" (22.2 mm)	6.50" (165.1 mm)	-	0.75" (19.0 mm)	-	108-9248	-
¾" (22.2 mm)	6.50" (165.1 mm)	-	0.88" (22.2 mm)	-	108-9249	-

QUICK REFERENCE

Mount	Length	ID	OD	Wall thickness	Part No	Titan® Max part No
<i>TITAN Solid Slicing</i>						
½" (12.7 mm)	5.00" (127.0 mm)	-	0.63" (15.9 mm)	-	112-5102	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.75" (19.0 mm)	-	108-9239	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.75" (19.0 mm)	-	108-9240	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.75" (19.0 mm)	-	108-9241	-
¾" (9.5 mm)	5.00" (127.0 mm)	-	0.63" (15.9 mm)	-	108-9238	-
¾" (15.9 mm)	5.00" (127.0 mm)	-	0.63" (15.9 mm)	-	112-5103	-
¾" (22.2 mm)	5.50" (139.7 mm)	-	0.75" (19.0 mm)	-	108-9242	-
¾" (22.2 mm)	6.50" (165.1 mm)	-	0.75" (19.0 mm)	-	108-9243	-

TITAN Cross and Max Cross

¾" (19.0 mm)	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9221	-
¾" (19.0 mm)	4.50" (114.3 mm)	-	0.75" (19.0 mm)	-	108-9223	-
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.50" (12.7 mm)	-	108-9224	112-1313
¾" (19.0 mm)	5.50" (139.7 mm)	-	0.75" (19.0 mm)	-	108-9226	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.50" (12.7 mm)	-	108-9227	112-1314
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.62" (15.7 mm)	-	108-9228	-
¾" (19.0 mm)	6.50" (165.1 mm)	-	0.75" (19.0 mm)	-	108-9229	-
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.38" (9.5 mm)	-	108-9215	-
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.50" (12.7 mm)	-	108-9216	112-1310
¾" (9.5 mm)	4.50" (114.3 mm)	-	0.62" (15.7 mm)	-	108-9217	-
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.38" (9.5 mm)	-	108-9218	-
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.50" (12.7 mm)	-	108-9219	112-1311
¾" (9.5 mm)	5.50" (139.7 mm)	-	0.62" (15.7 mm)	-	108-9220	-
¾" (22.2 mm)	5.50" (139.7 mm)	-	0.88" (22.2 mm)	-	108-9259	-

TITAN Needle

Needle	6.43" (163.3 mm)	-	0.188" (4.8 mm)	-	100-3620	-
Needle	7.38" (187.45 mm)	-	0.313" (7.9 mm)	-	100-3621	-
Needle	5.43" (137.9 mm)	-	5.0 mm	-	100-3319	-

QUICK REFERENCE

Mount	Length	ID	OD	Wall thickness	Part No	Titan® Max part No
<i>ProCore SR Series Deep Tine Aerators</i>						
¾" (7.9 mm)	10.00" (254.0 mm)	-	0.31" (7.9 mm)	-	SGS08313	-
¾" (7.9 mm)	8.50" (215.9 mm)	-	0.31" (7.9 mm)	-	SGS07313	-
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	-	139-8620	-
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	-	139-8624	-
12.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.81" (20.6 mm)	-	139-8613	-
12.0 mm	10.75" (273.1 mm)	-	0.47" (12.0 mm)	-	SGS10504	-
12.0 mm	12.25" (311.2 mm)	-	0.47" (12.0 mm)	-	SGS10500	-
12.0 mm	14.25" (361.9 mm)	-	0.47" (12.0 mm)	-	SGS12500	-
12.0 mm	16.25" (412.8 mm)	-	0.47" (12.0 mm)	-	SGS14500	-
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	-	139-8623	-
12.0 mm	7.00" (177.8 mm)	0.52" (13.2 mm)	0.69" (17.4 mm)	-	139-8614	-
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	-	139-8625	-
12.0 mm	7.00" (177.8 mm)	0.56" (14.2 mm)	0.81" (20.7 mm)	-	139-8615	-
12.0 mm	8.00" (203.2 mm)	-	0.47" (12.0 mm)	-	SGS08500	-
18.0 mm	10.00" (254.0 mm)	0.56" (14.2 mm)	0.75" (19.0 mm)	-	139-8623	-
18.0 mm	10.00" (254.0 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	-	139-8617	-
18.0 mm	10.00" (254.0 mm)	0.76" (19.3 mm)	1.00" (25.4 mm)	-	139-8619	-
18.0 mm	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	-	139-8627	-
18.0 mm	12.25" (311.2 mm)	-	0.71" (18.0 mm)	-	SGS10750	-
18.0 mm	12.50" (317.5 mm)	-	0.88" (22.2 mm)	-	SGS10875	-
18.0 mm	14.00" (355.6 mm)	-	0.88" (22.2 mm)	-	SGS12875	-
18.0 mm	14.25" (361.9 mm)	-	0.71" (18.0 mm)	-	SGS12750	-
18.0 mm	16.00" (406.4 mm)	-	0.88" (22.2 mm)	-	SGS14875	-
18.0 mm	16.25" (412.8 mm)	-	0.71" (18.0 mm)	-	SGS14750	-
18.0 mm	8.00" (203.2 mm)	0.74" (18.8 mm)	1.06" (26.9 mm)	-	139-8628	-
18.0 mm	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	-	139-8622	--
¾" (9.5 mm)	10.75" (273.1 mm)	-	0.38" (9.5 mm)	-	SGS10374	-
¾" (9.5 mm)	12.25" (311.2 mm)	-	0.38" (9.5 mm)	-	SGS10375	-
¾" (9.5 mm)	5.50" (139.7 mm)	0.38" (9.5 mm)	0.50" (12.7 mm)	-	139-8618	-
¾" (9.5 mm)	9.00" (228.6 mm)	-	0.38" (9.5 mm)	-	SGS08375	-
¾" (22.2 mm)	12.00" (304.8 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	-	139-8621	-
¾" (22.2 mm)	12.50" (317.5 mm)	-	0.88" (22.2 mm)	-	SGS10876	-
¾" (22.2 mm)	14.00" (355.6 mm)	-	0.88" (22.2 mm)	-	SGS12876	-
¾" (22.2 mm)	17.88" (454.2 mm)	-	1.00" (25.4 mm)	-	SGS16100	-
¾" (22.2 mm)	8.00" (203.2 mm)	0.94" (23.9 mm)	1.31" (33.3 mm)	-	139-8626	-



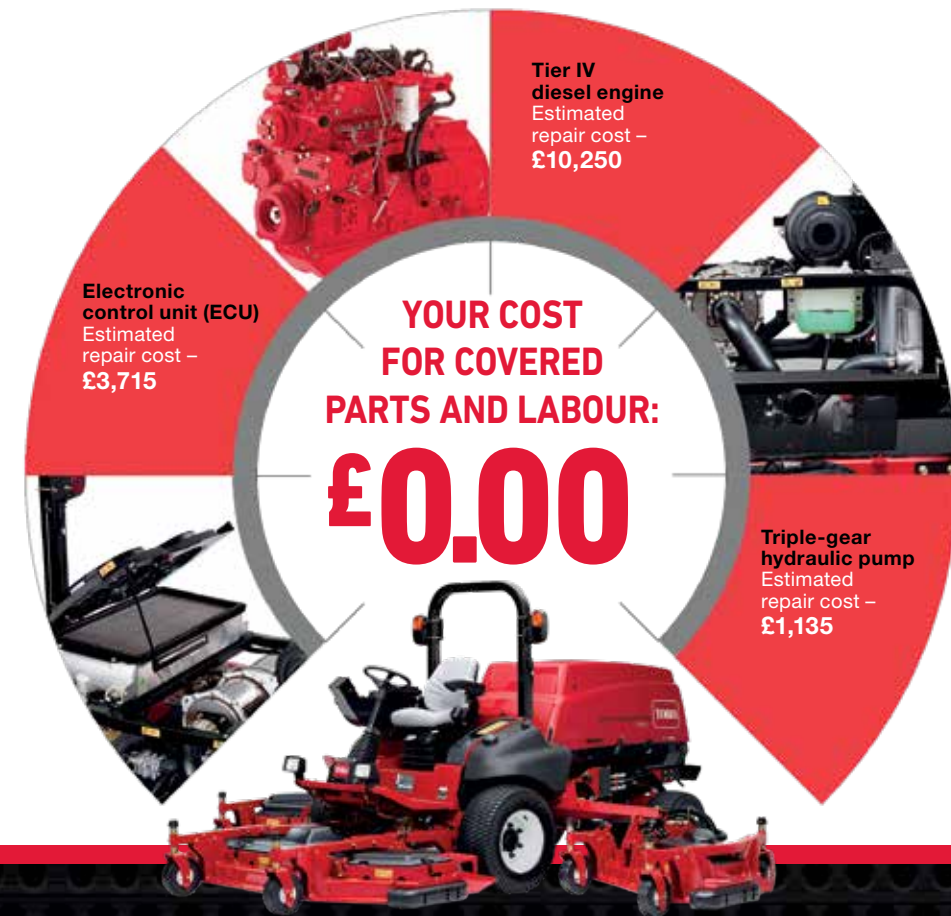
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