



Count on it.

2023-2024 TORO[®] TITAN[®] TINES CATALOG





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 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 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 the best possible care.

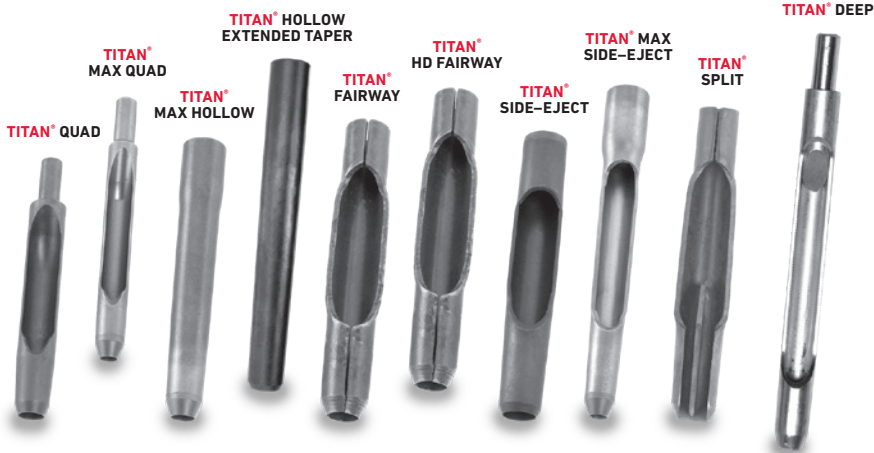
Jump-start your productivity with the TITAN QuickChange™ tine head. The patent-pending taper-lock design makes changing tines a snap. In fact, many users have reduced set-up time by up to 75%. TITAN QuickChange will help you get your aeration done FAST!



TORO TITAN TINES OFFER

- Over 150 tines, providing multiple aeration choices
- A wide variety of types meeting 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 optimized core, removing more thatch for maximum topdressing
- A superior hole, improving recovery time and maintaining playability

CORING TINES

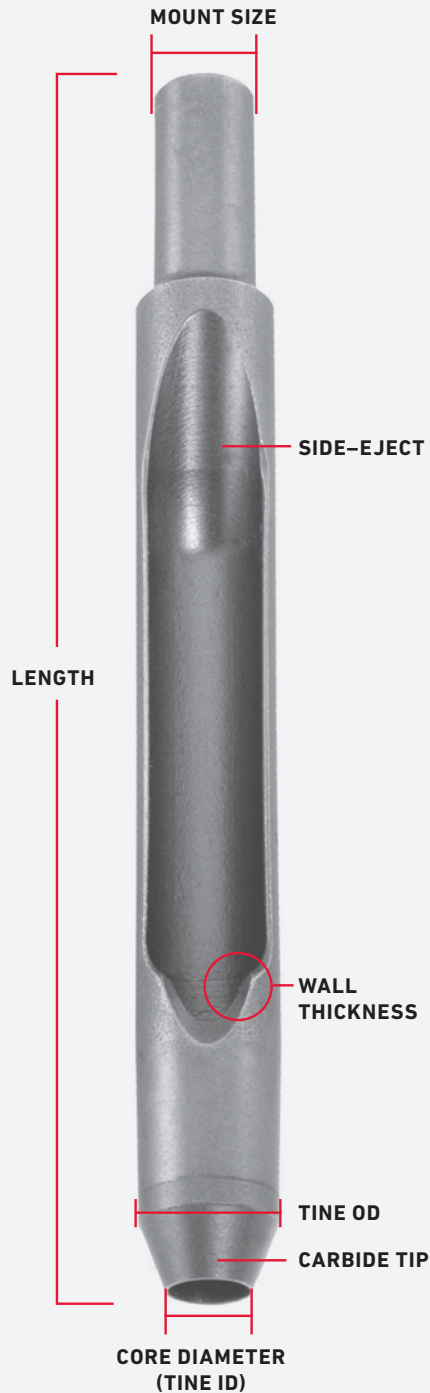


SOLID TINES



MEASUREMENT & IDENTIFICATION GUIDE

SELECTION & MEASUREMENT



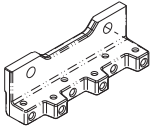
STANDARD SIZES

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

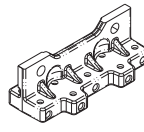
TINE HEAD IDENTIFICATION GUIDE

PROCORE 648/648s/864/1298 (See pages 9–18)



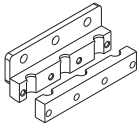
QUAD TINE HEAD (1x6)

Tine Mount	3/8" (9.5 mm)
Qty. of Tines	6



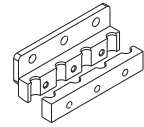
QUAD TINE HEAD (2x5)

Tine Mount	3/8" (9.5 mm)
Qty. of Tines	10



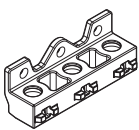
3/4" 3-TINE HEAD

Tine Mount	3/4" (19 mm)
Qty. of Tines	3



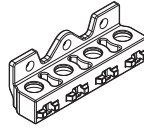
3/4" 4-TINE HEAD

Tine Mount	3/4" (19 mm)
Qty. of Tines	4



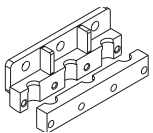
QUICKCHANGE 3-TINE HEAD

Tine Mount	3/4" (19 mm) or 7/8" (22.2 mm)
Qty. of Tines	3



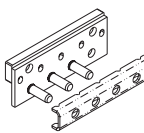
QUICKCHANGE 4-TINE HEAD

Tine Mount	3/4" (19 mm) or 7/8" (22.2 mm)
Qty. of Tines	4



7/8" 3-TINE HD HEAD

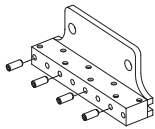
Tine Mount	7/8" (22.2 mm)
Qty. of Tines	3



NEEDLE TINE HEAD

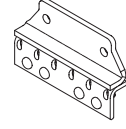
Tine Mount	Needle
Qty. of Tines	5

PROCORE 440/660/880 (See pages 19–22)



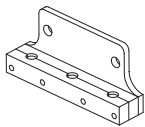
QUAD TINE HEAD (1x6)

Tine Mount	3/8" (9.5 mm)
Qty. of Tines	8



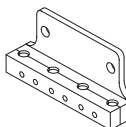
NEEDLE TINE HEAD

Tine Mount	Needle
Qty. of Tines	6



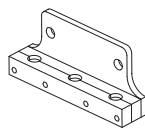
3/4" 3-TINE HEAD

Tine Mount	3/4" (19 mm)
Qty. of Tines	3



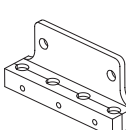
3/4" 4-TINE HEAD

Tine Mount	3/4" (19 mm)
Qty. of Tines	4



7/8" 3-TINE HEAD

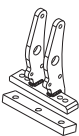
Tine Mount	7/8" (22.2 mm)
Qty. of Tines	3



7/8" 4-TINE HEAD

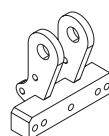
Tine Mount	7/8" (22.2 mm)
Qty. of Tines	4

PROCORE SR SERIES (See pages 31–39)



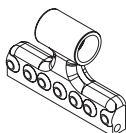
SR54-S / SR70-S

Tine Mount	5/16" (7.9 mm) or 12.0 mm
Qty. of Tines	3 or 4



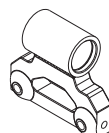
SR54 / SR70

Tine Mount	5/16" (7.9 mm) or 12.0 mm
Qty. of Tines	2 or 3



SR48 / SR72

Tine Mount	5/16" (7.9 mm) or 12.0 mm
Qty. of Tines	3 or 4



SR75

Tine Mount	5/16" (7.9 mm) or 12.0 mm
Qty. of Tines	2 or 3

AERATION EVALUATION GUIDE WITH TINE SELECTION CHART



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.

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

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 .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) 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 in (19 mm) Mount Head	09794	2.60" (6,6 cm)		
	4 Tine, 3/4 in (19 mm) Mount Head	09796	2.0" (5,1 cm)		
	3 Tine HD, 7/8 in (22.2 mm) Mount Head	09797	2.60" (6,6 cm)		
	4 Tine Titan QuickChange	09719	2.0" (5,1 cm)		
	3 Tine Titan QuickChange	09711	2.60" (6,6 cm)		
	ProCore 440/660/880 Models 09701, 09702	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)		
3 Tine, 7/8" (22,2 mm) Mount Head		09733	3.20" (8,1 cm)		
4 Tine, 7/8" (22,2 mm) Mount Head		09734	2.40" (6,1 cm)		
Toro Greens Aerator Models 09110, 09120	3/4" (19,0 mm) Head	59-2500	2.25" (5,7 cm)	2.5" (6,4 cm)	
	7/8" (22,2 mm) Head	62-4610			
	Needle Head	94-3421			
	3/8" z Head	94-3420			
Toro Fairway Aerator Models 09500, 09501, 09502	—	—	3.5" (8,9 cm) 5.25" (13,3 cm)	3.0, 6.0" (7,6; 15,2 cm) 3.0, 6.0" (7,6; 15,2 cm)	

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

DETERMINE THE TOTAL SURFACE AREA AFFECTED & AMOUNT OF MATERIAL REMOVED

STEP ONE FIND HOLES PER SQUARE METRE

If you know your lateral and forward spacing — See the Holes Per Square Metre table.

If you are not sure of your forward and lateral spacing, but know your aerator model number use the Preparing for Step One chart on the previous page and pick your spacing options. This table will also help you determine the proper turf holder based on your tine configuration.

Step One Example:

- Lateral Spacing = 2" (5,1 cm)
- Forward Spacing = 2" (5,1 cm)
- Holes Per Square Feet = 36" (384,5 cm)

ALL MODELS	FORWARD SPACING IN INCHES (CENTIMETERS)								
	1 (2,5)	1.5 (3,8)	2 (5,1)	2.5 (6,4)	3 (7,6)	3.5 (8,9)	4 (10,2)	4.5 (11,4)	6 (15,2)
LATERAL SPACING	HOLES PER SQUARE METRE								
1.2 (3,0)	120 (1333,3)	80 (877,2)	60 (653,6)	48 (520,8)	40 (438,6)	34.3 (374,5)	30 (326,8)	26.7 (292,4)	-
1.33 (3,3)	-	72 (797,4)	54.1 (594,2)	43.3 (473,5)	36 (398,7)	-	-	-	-
1.6 (4,1)	-	-	-	72 (381,1)	-	-	-	-	-
2 (5,1)	72 (784,3)	48 (516,0)	36 (384,5)	28.8 (306,4)	24 (258,0)	-	-	-	-
2.25 (5,7)	-	-	-	25.6 (274,1)	-	-	-	-	-
2.4 (6,1)	60 (655,7)	40 (431,4)	30 (321,4)	24 (256,1)	20 (215,7)	17.1 (184,2)	15 (160,7)	13.3 (143,8)	-
2.5 (6,4)	57.6 (625,0)	38.4 (411,2)	28.8 (306,4)	23 (244,1)	19.2 (205,6)	-	-	-	-
3.2 (8,1)	45 (493,8)	30 (324,9)	22.5 (242,1)	18 (192,9)	15 (162,4)	12.9 (138,7)	11.3 (121,0)	10 (108,3)	-
3.5 (8,9)	-	-	-	-	13.7 (147,8)	-	-	-	-
5.25 (13,3)	-	-	-	-	-	-	-	-	4.6 (49,5)

Percent Of Surface Area Affected And Amount Of Volume Removed

Core Diameter Depth*	Holes Per Square Foot (Metre)															
	4.6 (49,5)	10 (108,3)	11.3 (121,0)	12.9 (138,7)	13.3 (143,8)	13.7 (147,8)	15 (162,4)	17.1 (184,2)	18 (192,9)	19.2 (205,6)	20 (215,7)	22.5 (242,1)	23 (244,1)	24 (256,1)	25.6 (274,1)	
.2 (0,5)	0.10%	0.22%	0.25%	0.28%	0.29%	0.30%	0.33%	0.37%	0.39%	0.42%	0.44%	0.49%	0.50%	0.52%	0.56%	
1.5 (3,8)	.12 (0,004)	.27 (0,008)	.31 (0,009)	.35 (0,011)	.36 (0,011)	.37 (0,011)	.41 (0,013)	.47 (0,014)	.49 (0,015)	.52 (0,016)	.55 (0,017)	.61 (0,019)	.63 (0,019)	.65 (0,020)	.7 (0,021)	
2 (5,1)	.17 (0,005)	.36 (0,011)	.41 (0,014)	.47 (0,014)	.48 (0,015)	.5 (0,015)	.55 (0,017)	.62 (0,019)	.65 (0,020)	.7 (0,021)	.73 (0,022)	.82 (0,025)	.84 (0,025)	.87 (0,026)	.93 (0,028)	
2.5 (6,4)	.21 (0,006)	.45 (0,014)	.51 (0,013)	.58 (0,018)	.61 (0,019)	.62 (0,019)	.68 (0,021)	.78 (0,024)	.82 (0,025)	.87 (0,027)	.91 (0,028)	1.02 (0,031)	1.05 (0,032)	1.09 (0,033)	1.16 (0,036)	
3 (7,6)	.25 (0,008)	.55 (0,017)	.61 (0,015)	.7 (0,021)	.73 (0,022)	.75 (0,023)	.82 (0,025)	.93 (0,028)	.98 (0,030)	1.05 (0,032)	1.09 (0,033)	1.23 (0,037)	1.26 (0,038)	1.31 (0,039)	1.4 (0,042)	
3.5 (8,9)	.29 (0,009)	.64 (0,020)	.72 (0,018)	.82 (0,025)	.85 (0,026)	.87 (0,027)	.95 (0,029)	1.09 (0,033)	1.15 (0,035)	1.22 (0,037)	1.27 (0,039)	1.43 (0,044)	1.47 (0,044)	1.53 (0,046)	1.63 (0,049)	
4 (10,2)	.33 (0,010)	.73 (0,022)	.82 (0,019)	.93 (0,029)	.97 (0,030)	1 (0,031)	1.09 (0,034)	1.25 (0,038)	1.31 (0,040)	1.4 (0,043)	1.45 (0,045)	1.64 (0,050)	1.68 (0,050)	1.75 (0,053)	1.86 (0,057)	
.3 (0,8)	0.22%	0.49%	0.55%	0.63%	0.65%	0.67%	0.74%	0.84%	0.88%	0.94%	0.98%	1.10%	1.13%	1.18%	1.26%	
1.5 (3,8)	.28 (0,009)	.61 (0,019)	.69 (0,021)	.79 (0,024)	.82 (0,025)	.84 (0,026)	.92 (0,028)	1.05 (0,032)	1.1 (0,033)	1.18 (0,036)	1.23 (0,037)	1.38 (0,042)	1.41 (0,042)	1.47 (0,044)	1.57 (0,048)	
2 (5,1)	.37 (0,012)	.82 (0,025)	.92 (0,028)	1.05 (0,032)	1.09 (0,033)	1.12 (0,034)	1.23 (0,038)	1.4 (0,043)	1.47 (0,045)	1.57 (0,048)	1.64 (0,050)	1.84 (0,056)	1.88 (0,057)	1.96 (0,060)	2.09 (0,064)	
2.5 (6,4)	.47 (0,014)	1.02 (0,032)	1.15 (0,035)	1.31 (0,040)	1.36 (0,042)	1.4 (0,043)	1.53 (0,047)	1.75 (0,054)	1.84 (0,056)	1.96 (0,060)	2.05 (0,063)	2.3 (0,071)	2.36 (0,071)	2.45 (0,075)	2.62 (0,080)	
3 (7,6)	.56 (0,017)	1.23 (0,038)	1.38 (0,042)	1.58 (0,048)	1.64 (0,050)	1.68 (0,051)	1.84 (0,056)	2.1 (0,064)	2.21 (0,067)	2.36 (0,071)	2.45 (0,075)	2.76 (0,084)	2.83 (0,085)	2.95 (0,089)	3.14 (0,095)	
3.5 (8,9)	.65 (0,020)	1.43 (0,044)	1.61 (0,049)	1.84 (0,056)	1.91 (0,058)	1.96 (0,060)	2.15 (0,066)	2.45 (0,075)	2.58 (0,078)	2.75 (0,083)	2.86 (0,088)	3.22 (0,098)	3.3 (0,099)	3.44 (0,104)	3.67 (0,111)	
4 (10,2)	.75 (0,023)	1.64 (0,050)	1.84 (0,056)	2.1 (0,065)	2.18 (0,067)	2.24 (0,069)	2.45 (0,076)	2.8 (0,086)	2.95 (0,090)	3.14 (0,096)	3.27 (0,100)	3.68 (0,113)	3.77 (0,114)	3.93 (0,119)	4.19 (0,128)	
.4 (1,0)	0.40%	0.87%	0.98%	1.12%	1.16%	1.20%	1.31%	1.50%	1.57%	1.68%	1.75%	1.96%	2.01%	2.09%	2.23%	
1.5 (3,8)	.5 (0,015)	1.09 (0,033)	1.23 (0,037)	1.4 (0,043)	1.45 (0,044)	1.5 (0,046)	1.64 (0,050)	1.87 (0,057)	1.96 (0,059)	2.09 (0,063)	2.18 (0,066)	2.45 (0,075)	2.51 (0,075)	2.62 (0,079)	2.79 (0,084)	
2 (5,1)	.66 (0,020)	1.45 (0,045)	1.64 (0,050)	1.87 (0,057)	1.94 (0,059)	1.99 (0,061)	2.18 (0,067)	2.49 (0,076)	2.62 (0,080)	2.79 (0,085)	2.91 (0,089)	3.27 (0,100)	3.35 (0,101)	3.49 (0,106)	3.72 (0,113)	
2.5 (6,4)	.83 (0,026)	1.82 (0,056)	2.05 (0,063)	2.34 (0,072)	2.42 (0,075)	2.49 (0,077)	2.73 (0,084)	3.12 (0,096)	3.27 (0,100)	3.49 (0,107)	3.64 (0,112)	4.09 (0,126)	4.19 (0,127)	4.36 (0,133)	4.65 (0,142)	
3 (7,6)	1 (0,030)	2.18 (0,067)	2.45 (0,075)	2.8 (0,085)	2.91 (0,089)	2.99 (0,091)	3.27 (0,100)	3.73 (0,113)	3.93 (0,119)	4.19 (0,127)	4.36 (0,133)	4.91 (0,149)	5.03 (0,150)	5.24 (0,158)	5.59 (0,169)	
3.5 (8,9)	1.16 (0,036)	2.55 (0,078)	2.86 (0,087)	3.27 (0,100)	3.39 (0,104)	3.49 (0,107)	3.82 (0,117)	4.36 (0,133)	4.58 (0,139)	4.89 (0,148)	5.09 (0,156)	5.73 (0,175)	5.86 (0,176)	6.11 (0,185)	6.52 (0,198)	
4 (10,2)	1.33 (0,041)	2.91 (0,090)	3.27 (0,100)	3.74 (0,115)	3.88 (0,119)	3.99 (0,122)	4.36 (0,134)	4.99 (0,152)	5.24 (0,160)	5.59 (0,170)	5.82 (0,178)	6.54 (0,200)	6.7 (0,202)	6.98 (0,212)	7.45 (0,227)	
5 (1,3)	0.62%	1.36%	1.53%	1.75%	1.82%	1.87%	2.05%	2.34%	2.45%	2.62%	2.73%	3.07%	3.14%	3.27%	3.49%	
1.5 (3,8)	.78 (0,024)	1.7 (0,052)	1.92 (0,058)	2.19 (0,067)	2.27 (0,069)	2.34 (0,071)	2.56 (0,078)	2.92 (0,089)	3.07 (0,093)	3.27 (0,099)	3.41 (0,104)	3.83 (0,117)	3.93 (0,118)	4.09 (0,123)	4.36 (0,132)	
2 (5,1)	1.04 (0,032)	2.27 (0,070)	2.56 (0,078)	2.92 (0,090)	3.03 (0,093)	3.12 (0,096)	3.41 (0,105)	3.9 (0,119)	4.09 (0,125)	4.36 (0,133)	4.55 (0,139)	5.11 (0,156)	5.24 (0,158)	5.45 (0,165)	5.82 (0,177)	
2.5 (6,4)	1.3 (0,040)	2.84 (0,088)	3.2 (0,098)	3.65 (0,112)	3.79 (0,117)	3.9 (0,120)	4.26 (0,132)	4.87 (0,149)	5.11 (0,156)	5.45 (0,167)	5.68 (0,175)	6.39 (0,196)	6.54 (0,198)	6.82 (0,208)	7.27 (0,222)	
3 (7,6)	1.56 (0,048)	3.41 (0,104)	3.83 (0,117)	4.38 (0,134)	4.55 (0,138)	4.67 (0,142)	5.11 (0,156)	5.84 (0,177)	6.14 (0,186)	6.54 (0,198)	6.82 (0,208)	7.67 (0,233)	7.85 (0,235)	8.18 (0,247)	8.73 (0,264)	
3.5 (8,9)	1.82 (0,056)	3.98 (0,122)	4.47 (0,136)	5.11 (0,156)	5.3 (0,162)	5.45 (0,167)	5.97 (0,183)	6.82 (0,208)	7.16 (0,217)	7.64 (0,232)	7.95 (0,243)	8.95 (0,273)	9.16 (0,275)	9.54 (0,289)	10.18 (0,309)	
4 (10,2)	2.08 (0,064)	4.55 (0,140)	5.11 (0,156)	5.84 (0,179)	6.06 (0,186)	6.23 (0,191)	6.82 (0,210)	7.79 (0,238)	8.18 (0,249)	8.73 (0,266)	9.09 (0,279)	10.23 (0,313)	10.47 (0,315)	10.91 (0,331)	11.64 (0,354)	
.6 (1,5)	0.90%	1.96%	2.21%	2.52%	2.62%	2.69%	2.95%	3.37%	3.53%	3.77%	3.93%	4.42%	4.52%	4.71%	5.03%	
1.5 (3,8)	1.12 (0,034)	2.45 (0,075)	2.76 (0,084)	3.16 (0,096)	3.27 (0,100)	3.37 (0,102)	3.68 (0,113)	4.21 (0,128)	4.42 (0,134)	4.71 (0,143)	4.91 (0,150)	5.52 (0,168)	5.65 (0,169)	5.89 (0,178)	6.28 (0,190)	
2 (5,1)	1.5 (0,046)	3.27 (0,101)	3.68 (0,113)	4.21 (0,129)	4.36 (0,134)	4.49 (0,138)	4.91 (0,151)	5.61 (0,171)	5.89 (0,179)	6.28 (0,191)	6.54 (0,201)	7.36 (0,225)	7.54 (0,227)	7.85 (0,238)	8.38 (0,255)	
2.5 (6,4)	1.87 (0,058)	4.09 (0,126)	4.6 (0,141)	5.26 (0,162)	5.45 (0,168)	5.61 (0,173)	6.14 (0,190)	7.01 (0,215)	7.36 (0,225)	7.85 (0,240)	8.18 (0,252)	9.2 (0,283)	9.42 (0,285)	9.82 (0,299)	10.47 (0,320)	
3 (7,6)	2.24 (0,069)	4.91 (0,150)	5.52 (0,168)	6.31 (0,192)	6.54 (0,199)	6.73 (0,205)	7.36 (0,225)	8.41 (0,255)	8.84 (0,267)	9.42 (0,285)	9.82 (0,299)	11.04 (0,336)	11.31 (0,338)	11.78 (0,355)	12.57 (0,380)	
3.5 (8,9)	2.62 (0,080)	5.73 (0,176)	6.44 (0,197)	7.36 (0,225)	7.64 (0,233)	7.85 (0,240)	8.59 (0,264)	9.82 (0,302)	10.31 (0,313)	11 (0,334)	11.45 (0,350)	12.89 (0,393)	13.19 (0,396)	13.74 (0,416)	14.66 (0,445)	
4 (10,2)	2.99 (0,092)	6.54 (0,201)	7.36 (0,225)	8.41 (0,258)	8.73 (0,268)	8.98 (0,275)	9.82 (0,324)	11.22 (0,343)	11.78 (0,359)	12.57 (0,383)	13.09 (0,401)	14.73 (0,450)	15.08 (0,454)	15.71 (0,477)	16.76 (0,510)	
.7 (1,8)	1.22%	2.67%	3.01%	3.44%	3.56%	3.67%	4.01%	4.58%	4.81%	5.13%	5.35%	6.01%	6.16%	6.41%	6.84%	
3 (7,6)	3.05 (0,093)	6.68 (0,204)	7.52 (0,228)	8.59 (0,262)	8.91 (0,271)	9.16 (0,279)	10.02 (0,307)	11.45 (0,348)	12.03 (0,364)	12.83 (0,388)	13.36 (0,407)	15.03 (0,457)	15.39 (0,461)	16.04 (0,483)	17.1 (0,517)	
3.5 (8,9)	3.56 (0,109)	7.79 (0,239)	8.77 (0,267)	10.02 (0,307)	10.39 (0,318)	10.69 (0,327)	11.69 (0,359)	13.36 (0,407)	14.03 (0,426)	14.97 (0,454)	15.59 (0,477)	17.54 (0,535)	17.96 (0,539)	18.71 (0,566)	19.95 (0,606)	
4 (10,2)	4.07 (0,125)	8.91 (0,274)	10.02 (0,307)	11.45 (0,351)	11.88 (0,364)	12.22 (0,374)	13.36 (0,411)	15.27 (0,466)	16.04 (0,489)	17.10 (0,521)	17.82 (0,546)	20.04 (0,613)	20.53 (0,618)	21.38 (0,649)	22.81 (0,694)	
4.5 (11,4)	4.58 (0,140)	10.02 (0,307)	11.27 (0,343)	12.89 (0,393)	13.36 (0,407)	13.74 (0,418)	15.03 (0,460)	17.18 (0,521)	18.04 (0,546)	19.24 (0,582)	20.04 (0,611)	22.55 (0,685)	23.09 (0,691)	24.05 (0,725)	25.66 (0,776)	
5 (12,7)	5.09 (0,156)	11.14 (0,341)	12.53 (0,382)	14.32 (0,437)	14.85 (0,453)	15.27 (0,466)	16.7 (0,512)	19.09 (0,581)	20.04 (0,608)	21.38 (0,648)	22.27 (0,680)	25.06 (0,763)	25.66 (0,770)	26.73 (0,808)	28.51 (0,864)	

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





STEP TWO

DETERMINE THE TOTAL SURFACE AREA AFFECTED AND VOLUME OF SOIL REMOVED

To determine the total surface area affected and volume of soil removed when aerating, reference the **Percent Surface Area Affected/Volume Removed** table. All you need to know is holes per square metre, core diameter (ID), and the depth* at which you are aerating.

Step Two Example:

- Holes Per Square Feet = 36" (232,3 cm)
- Core Diameter = .300" (0,8 cm)
- Depth = 3.0" (7,6 cm)
- Percent Surface Area Affected = 1.77%
- Volume Removed = 4.42 cu-feet per 1,000 sq/ft (0,133 cubic metres per 100 square metres)

-  Volume Removed, Cubic Foot Per 1000 Sq. Ft. (Cubic Metres Per 100 Square Metre)
-  Risk Of Turf Damage
-  Higher Risk Of Turf Damage
-  Percent Of Surface Area Affected

Core Diameter (Centimeters)

26.7 (292,4)	28.8 (306,4)	30 (321,4)	34.3 (374,5)	36 (384,5)	38.4 (411,2)	40 (431,4)	43.3 (473,5)	45 (493,8)	48 (516,0)	54.1 (594,2)	57.6 (625,0)	60 (655,7)	72 (784,3)	80 (877,2)	120 (1333,3)
0.58%	0.63%	0.65%	0.75%	0.79%	0.84%	0.87%	0.94%	0.98%	1.05%	1.18%	1.26%	1.31%	1.57%	1.75%	2.62%
.73 (0,023)	.79 (0,024)	.82 (0,025)	.93 (0,029)	.98 (0,030)	1.05 (0,032)	1.09 (0,033)	1.18 (0,036)	1.23 (0,038)	1.28 (0,040)	1.48 (0,046)	1.57 (0,048)	1.64 (0,051)	1.96 (0,060)	2.18 (0,068)	3.27 (0,103)
1.21 (0,038)	1.31 (0,040)	1.36 (0,042)	1.56 (0,049)	1.64 (0,050)	1.75 (0,053)	1.82 (0,056)	1.97 (0,061)	2.05 (0,064)	2.08 (0,065)	2.48 (0,077)	2.62 (0,081)	2.73 (0,085)	3.27 (0,102)	3.64 (0,114)	5.45 (0,173)
1.45 (0,045)	1.57 (0,047)	1.64 (0,050)	1.87 (0,058)	1.96 (0,059)	2.09 (0,063)	2.18 (0,066)	2.38 (0,073)	2.45 (0,076)	2.49 (0,079)	2.95 (0,092)	3.14 (0,096)	3.27 (0,101)	3.93 (0,121)	4.36 (0,135)	6.54 (0,205)
1.7 (0,053)	1.83 (0,055)	1.91 (0,058)	2.18 (0,068)	2.29 (0,069)	2.44 (0,074)	2.55 (0,078)	2.78 (0,085)	2.86 (0,089)	2.86 (0,089)	3.44 (0,107)	3.67 (0,113)	3.82 (0,118)	4.58 (0,141)	5.09 (0,158)	7.64 (0,241)
1.94 (0,060)	2.09 (0,063)	2.18 (0,066)	2.49 (0,077)	2.62 (0,079)	2.79 (0,085)	2.91 (0,089)	3.15 (0,098)	3.27 (0,102)	3.27 (0,107)	3.94 (0,123)	4.19 (0,129)	4.36 (0,136)	5.24 (0,162)	5.82 (0,181)	8.73 (0,276)
1.31%	1.41%	1.47%	1.68%	1.77%	1.88%	1.96%	2.13%	2.21%	2.36%	2.66%	2.83%	2.95%	3.53%	3.93%	5.89%
1.64 (0,051)	1.77 (0,053)	1.84 (0,056)	2.21 (0,065)	2.21 (0,067)	2.36 (0,071)	2.45 (0,075)	2.66 (0,082)	2.76 (0,086)	2.95 (0,089)	3.32 (0,103)	3.53 (0,108)	3.68 (0,114)	4.42 (0,136)	4.91 (0,152)	7.36 (0,231)
2.18 (0,068)	2.36 (0,071)	2.45 (0,075)	2.8 (0,087)	2.95 (0,089)	3.14 (0,096)	3.27 (0,100)	3.54 (0,110)	3.68 (0,115)	3.93 (0,120)	4.43 (0,138)	4.71 (0,145)	4.91 (0,153)	5.89 (0,182)	6.54 (0,204)	9.82 (0,310)
2.73 (0,085)	2.95 (0,089)	3.07 (0,094)	3.51 (0,109)	3.68 (0,112)	3.93 (0,120)	4.09 (0,126)	4.43 (0,138)	4.6 (0,144)	4.91 (0,151)	5.54 (0,173)	5.89 (0,182)	6.14 (0,191)	7.36 (0,229)	8.18 (0,256)	12.27 (0,389)
3.27 (0,101)	3.53 (0,106)	3.68 (0,111)	4.21 (0,130)	4.42 (0,133)	4.71 (0,143)	4.91 (0,150)	5.31 (0,164)	5.52 (0,171)	5.89 (0,179)	6.64 (0,206)	7.07 (0,217)	7.36 (0,227)	8.84 (0,272)	9.82 (0,304)	14.73 (0,462)
3.82 (0,119)	4.12 (0,124)	4.3 (0,130)	4.91 (0,152)	5.15 (0,156)	5.5 (0,167)	5.73 (0,175)	6.2 (0,192)	6.44 (0,200)	6.87 (0,209)	7.75 (0,241)	8.25 (0,254)	8.59 (0,266)	10.31 (0,318)	11.45 (0,356)	17.18 (0,541)
4.36 (0,136)	4.71 (0,143)	4.91 (0,150)	5.61 (0,174)	5.89 (0,179)	6.28 (0,191)	6.54 (0,201)	7.09 (0,220)	7.36 (0,230)	7.85 (0,240)	8.86 (0,276)	9.42 (0,291)	9.82 (0,305)	11.78 (0,365)	13.09 (0,408)	19.63 (0,620)
2.33%	2.51%	2.62%	2.99%	3.14%	3.35%	3.49%	3.78%	3.93%	4.19%	4.72%	5.03%	5.24%	6.28%	6.98%	10.47%
2.91 (0,090)	3.14 (0,094)	3.27 (0,099)	3.74 (0,115)	3.93 (0,118)	4.19 (0,127)	4.36 (0,133)	4.72 (0,146)	4.91 (0,152)	5.24 (0,159)	5.91 (0,183)	6.28 (0,193)	6.54 (0,202)	7.85 (0,242)	8.73 (0,270)	13.09 (0,411)
3.88 (0,121)	4.19 (0,127)	4.36 (0,133)	4.99 (0,155)	5.24 (0,159)	5.59 (0,170)	5.82 (0,178)	6.3 (0,196)	6.54 (0,204)	6.98 (0,213)	7.87 (0,246)	8.38 (0,258)	8.73 (0,271)	10.47 (0,324)	11.64 (0,363)	17.45 (0,551)
4.85 (0,152)	5.24 (0,159)	5.45 (0,167)	6.23 (0,194)	6.54 (0,199)	6.98 (0,213)	7.27 (0,224)	7.87 (0,246)	8.18 (0,256)	8.73 (0,268)	9.84 (0,308)	10.47 (0,324)	10.91 (0,340)	13.09 (0,407)	14.54 (0,455)	21.82 (0,692)
5.82 (0,180)	6.28 (0,189)	6.54 (0,198)	7.48 (0,231)	7.85 (0,237)	8.38 (0,253)	8.73 (0,266)	9.45 (0,292)	9.82 (0,304)	10.47 (0,318)	11.81 (0,366)	12.57 (0,385)	13.09 (0,404)	15.71 (0,483)	17.45 (0,540)	26.18 (0,822)
6.79 (0,211)	7.33 (0,221)	7.64 (0,232)	8.73 (0,270)	9.16 (0,277)	9.77 (0,297)	10.18 (0,311)	11.02 (0,342)	11.45 (0,356)	12.22 (0,372)	13.78 (0,429)	14.66 (0,451)	15.27 (0,473)	18.33 (0,566)	20.36 (0,633)	30.54 (0,962)
7.76 (0,242)	8.38 (0,253)	8.73 (0,266)	9.97 (0,310)	10.47 (0,318)	11.17 (0,340)	11.64 (0,357)	12.6 (0,392)	13.09 (0,408)	13.96 (0,427)	15.75 (0,491)	16.76 (0,517)	17.45 (0,542)	20.94 (0,549)	23.27 (0,725)	34.91 (1,103)
3.64%	3.93%	4.09%	4.67%	4.91%	5.24%	5.45%	6.91%	6.14%	6.54%	7.38%	7.85%	8.18%	9.82%	10.91%	16.36%
4.55 (0,141)	4.91 (0,147)	5.11 (0,155)	5.84 (0,180)	6.14 (0,185)	6.54 (0,198)	6.82 (0,208)	7.38 (0,228)	7.67 (0,238)	8.18 (0,248)	9.23 (0,286)	9.82 (0,301)	10.23 (0,316)	12.27 (0,378)	13.64 (0,422)	20.45 (0,642)
6.06 (0,189)	6.54 (0,198)	6.82 (0,208)	7.79 (0,242)	8.18 (0,248)	8.73 (0,266)	9.09 (0,279)	9.84 (0,306)	10.23 (0,319)	10.91 (0,333)	12.3 (0,384)	13.09 (0,404)	13.64 (0,424)	16.36 (0,507)	18.18 (0,567)	27.27 (0,861)
7.58 (0,237)	8.18 (0,248)	8.52 (0,261)	9.74 (0,304)	10.23 (0,312)	10.91 (0,333)	11.36 (0,350)	12.3 (0,384)	12.78 (0,400)	13.64 (0,418)	15.38 (0,482)	16.36 (0,507)	17.04 (0,532)	20.45 (0,636)	22.73 (0,711)	34.09 (1,081)
9.09 (0,282)	9.82 (0,295)	10.23 (0,309)	11.69 (0,361)	12.27 (0,370)	13.09 (0,396)	13.64 (0,415)	14.76 (0,456)	15.34 (0,475)	16.36 (0,497)	18.45 (0,572)	19.63 (0,602)	20.45 (0,631)	24.54 (0,755)	27.27 (0,845)	40.91 (1,284)
10.61 (0,330)	11.45 (0,345)	11.93 (0,362)	13.64 (0,422)	14.32 (0,433)	15.27 (0,464)	15.91 (0,486)	17.22 (0,534)	17.9 (0,557)	19.09 (0,582)	21.53 (0,670)	22.91 (0,705)	23.86 (0,739)	28.63 (0,884)	31.82 (0,989)	47.72 (1,503)
12.12 (0,378)	13.09 (0,396)	13.64 (0,415)	15.58 (0,484)	16.36 (0,497)	17.45 (0,531)	18.18 (0,557)	19.88 (0,612)	20.45 (0,638)	21.82 (0,567)	24.61 (0,768)	26.18 (0,808)	27.27 (0,847)	32.72 (1,013)	36.36 (1,133)	54.54 (1,723)
5.24%	5.65%	5.89%	6.73%	7.07%	7.54%	7.85%	8.50%	8.84%	9.42%	10.63%	11.31%	11.78%	14.14%	15.71%	23.56%
6.54 (0,203)	7.07 (0,212)	7.36 (0,223)	8.41 (0,260)	8.84 (0,267)	9.42 (0,285)	9.82 (0,299)	10.63 (0,328)	11.04 (0,342)	11.78 (0,358)	13.29 (0,412)	14.14 (0,433)	14.73 (0,455)	17.67 (0,544)	19.63 (0,608)	29.45 (0,924)
8.73 (0,272)	9.42 (0,285)	9.82 (0,299)	11.22 (0,348)	11.78 (0,358)	12.57 (0,383)	13.09 (0,401)	14.17 (0,440)	14.73 (0,459)	15.71 (0,480)	17.72 (0,553)	18.85 (0,581)	19.63 (0,610)	23.56 (0,730)	26.18 (0,816)	39.27 (1,204)
10.91 (0,341)	11.78 (0,358)	12.27 (0,375)	14.02 (0,437)	14.73 (0,449)	15.71 (0,480)	16.36 (0,504)	17.72 (0,553)	18.41 (0,577)	19.63 (0,602)	22.14 (0,694)	23.56 (0,730)	24.54 (0,766)	29.45 (0,916)	32.72 (1,024)	49.09 (1,557)
13.09 (0,405)	14.14 (0,425)	14.73 (0,446)	16.83 (0,519)	17.67 (0,533)	18.85 (0,570)	19.63 (0,598)	21.26 (0,656)	22.09 (0,685)	23.56 (0,715)	26.57 (0,824)	28.27 (0,866)	29.45 (0,909)	35.34 (1,087)	39.27 (1,216)	58.9 (1,848)
15.27 (0,475)	16.49 (0,497)	17.18 (0,522)	19.63 (0,608)	20.62 (0,624)	21.99 (0,668)	22.91 (0,700)	24.8 (0,769)	25.77 (0,802)	27.49 (0,838)	31 (0,965)	32.99 (1,015)	34.36 (1,065)	41.23 (1,273)	45.81 (1,424)	68.72 (2,165)
17.45 (0,544)	18.85 (0,570)	19.63 (0,598)	22.44 (0,697)	23.56 (0,715)	25.13 (0,765)	26.18 (0,803)	28.35 (0,881)	29.45 (0,919)	31.42 (0,960)	35.43 (1,106)	37.70 (1,163)	39.27 (1,220)	47.12 (1,459)	52.36 (1,632)	78.54 (2,481)
7.13%	7.70%	8.02%	9.16%	9.62%	10.26%	10.69%	11.57%	12.03%	12.83%	14.47%	15.39%	16.04%	19.24%	21.38%	32.07%
17.82 (0,552)	19.24 (0,578)	20.04 (0,607)	22.91 (0,707)	24.05 (0,725)	25.66 (0,776)	26.73 (0,814)	28.94 (0,893)	30.07 (0,932)	32.07 (0,974)	36.17 (1,121)	38.48 (1,179)	40.09 (1,237)	48.11 (1,480)	53.45 (1,655)	80.18 (2,516)
20.79 (0,646)	22.45 (0,677)	23.38 (0,710)	26.73 (0,828)	28.06 (0,850)	29.93 (0,909)	31.18 (0,953)	33.76 (1,046)	35.08 (1,091)	37.62 (1,140)	42.2 (1,313)	44.9 (1,381)	46.77 (1,449)	56.12 (1,733)	62.36 (1,938)	93.54 (2,946)
23.76 (0,741)	25.66 (0,776)	26.73 (0,814)	30.54 (0,949)	32.07 (0,974)	34.21 (1,041)	35.63 (1,093)	38.58 (1,199)	40.09 (1,251)	42.76 (1,307)	48.23 (1,505)	51.31 (1,583)	53.45 (1,661)	64.14 (1,986)	71.27 (2,222)	106.9 (3,377)
26.73 (0,828)	28.86 (0,867)	30.07 (0,910)	34.36 (1,060)	36.08 (1,088)	38.48 (1,164)	40.09 (1,221)	43.4 (1,340)	45.1 (1,398)	48.11 (1,461)	54.25 (1,682)	57.73 (1,769)	60.13 (1,856)	72.16 (2,220)	80.18 (2,483)	120.26 (3,774)
29.69 (0,922)	32.07 (0,966)	33.41 (1,014)	38.18 (1,181)	40.09 (1,212)	42.76 (1,297)	44.54 (1,360)	48.23 (1,493)	50.11 (1,557)	53.45 (1,627)	60.28 (1,874)	64.14 (1,971)	66.81 (2,068)	80.18 (2,473)	89.08 (2,766)	133.63 (4,204)

PROCORE[®] 648/648s

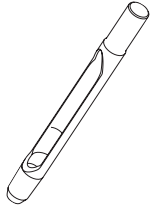


TINE HEADS & TURF GUARDS

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 3/8" Mount Head, 2 rows of 5	09736	60	120-1047	2	120-1052	1
Quad Tine 3/8" Mount Head, 1 row of 6	09737	36	120-1050	2	120-1053	1
3 Tine, 3/4" Mount Head	09794	18	120-1044	2	110-4358	1
4 Tine, 3/4" Mount Head	09796	24	120-1045	2	120-1046	1
3 Tine HD, 7/8" Mount Head	09797	18	120-1044	2	110-4358	1
3 Tine, Titan 3/4" or 7/8" Mount QuickChange Head	09711	18	120-1044	2	110-4358	1
4 Tine, Titan 3/4" or 7/8" Mount QuickChange Head	09719	24	120-1045	2	120-1046	1

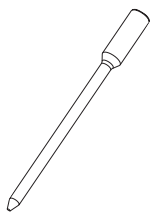
3/8" (9.5 MM) MOUNT

TITAN QUAD



Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
4.50" (114,3 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	108-9104
4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	108-9105
4.50" (114,3 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9106
4.50" (114,3 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	108-9293
5.00" (127,0 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	138-5937
5.00" (127,0 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	137-6526
5.00" (127,0 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	137-6527
5.00" (127,0 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	137-6529
5.50" (139,7 mm)	.41" (10,3 mm)	.55" (14,7 mm)	.063" (1,6 mm)	108-9290

TITAN SOLID ROUND



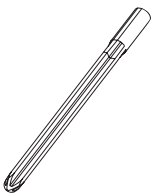
4.50" (114,3 mm)	-	.20" (5,1 mm)	-	108-9230
4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9231
4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9232
4.50" (114,3 mm)	-	.38" (9,7 mm)	-	108-9233
5.50" (139,7 mm)	-	.20" (5,1 mm)	-	108-9234
5.50" (139,7 mm)	-	.25" (6,3 mm)	-	108-9235
5.50" (139,7 mm)	-	.30" (7,6 mm)	-	108-9236
5.50" (139,7 mm)	-	.38" (9,7 mm)	-	108-9237

TITAN SOLID SLICING



5.00" (127,0 mm)	-	.63" (15,9 mm)	-	108-9238
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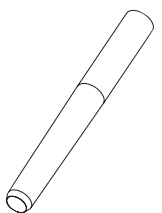
TITAN CROSS



4.50" (114,3 mm)	-	.38" (9,5 mm)	-	108-9215
4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9216
4.50" (114,3 mm)	-	.63" (15,9 mm)	-	108-9217
5.50" (139,7 mm)	-	.38" (9,5 mm)	-	108-9218
5.50" (139,7 mm)	-	.50" (12,7 mm)	-	108-9219
5.50" (139,7 mm)	-	.63" (15,9 mm)	-	108-9220

3/4" (19.05 MM) MOUNT

TITAN HOLLOW



4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9128
4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9129
4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9130
5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9132
5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9133
5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9134
6.50" (165,1 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9138
6.50" (165,1 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9136
6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9137

TITAN HOLLOW EXT. TAPER



5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0551
6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0550

TITAN® Max

Part Number	Titan Max Core ID
108-9112	.23" (5,8 mm)
108-9114	.28" (7,1 mm)
108-9116	.38" (9,7 mm)
108-9145	.28" (7,1 mm)
108-9120	.23" (5,8 mm)
108-9145	.28" (7,1 mm)
108-9124	.38" (9,7 mm)
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CROSS MAX

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

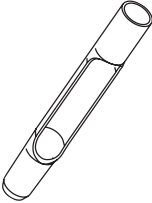
TITAN® Max

HOLLOW MAX	
108-9139	.28" (7,1 mm)
108-9141	.38" (9,7 mm)
108-9143	.48" (12,2 mm)
-	-
108-9147	.38" (9,7 mm)
108-9149	.48" (12,2 mm)
108-9135	.28" (7,1 mm)
108-9151	.38" (9,7 mm)
108-9153	.48" (12,2 mm)

HOLLOW EXT. TAPER MAX

114-0553	.47" (12,0 mm)
-	-


3/4" (19.05 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9159
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9160
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9161
	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9163
	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9164
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9165
	6.50" (165,1 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9162
	6.50" (165,1 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9167
	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9168


TITAN SIDE EJECT EXT. TAPER

	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0555
	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0558


TITAN SPLIT

	5.75" (146,0 mm)	.51" (12,9 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5122
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TITAN FAIRWAY HD

	5.75" (146,0 mm)	.51" (12,95 mm)	.77" (19,6 mm)	.120" (3,0 mm)	108-9260
	5.75" (146,0 mm)	.51" (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	108-9261

TITAN FAIRWAY

	5.75" (146,0 mm)	.51" (12,95 mm)	.77" (19,6 mm)	.120" (3,0 mm)	104-9876
	5.75" (146,0 mm)	.51" (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	104-9875

CLASSIC

	4.75" (120,6 mm)	.40" (10,2 mm)	.50" (12,7 mm)	.049" (1,2 mm)	66-9140
	4.75" (120,6 mm)	.50" (12,7 mm)	.63" (15,9 mm)	.049" (1,2 mm)	59-3670
	5.75" (146,0 mm)	.51" (12,9 mm)	.63" (15,9 mm)	.058" (1,5 mm)	104-0984
	6.50" (165,1 mm)	.39" (9,9 mm)	.66" (16,8 mm)	.058" (1,5 mm)	105-1180

TITAN® Max

Part Number	Titan Max Core ID
108-9170	.28" (7,1 mm)
108-9172	.38" (9,7 mm)
108-9174	.48" (12,2 mm)
108-9176	.28" (7,1 mm)
108-9178	.38" (9,7 mm)
108-9180	.48" (12,2 mm)
108-9166	.28" (7,1 mm)
108-9182	.38" (9,7 mm)
108-9184	.48" (12,2 mm)

SIDE EJECT EXT. TAPER MAX

114-0557	.47" (12,0 mm)
114-0560	.47" (12,0 mm)

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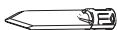
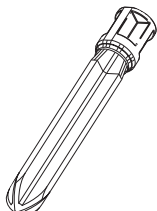
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3/4" (19.05 MM) MOUNT – CONTINUED

TITAN® Max

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number	Part Number	Titan Max Core ID
TITAN SOLID ROUND							
	4.50" (114,3 mm)	–	.25" (6,3 mm)	–	108-9198	–	–
	4.50" (114,3 mm)	–	.30" (7,6 mm)	–	108-9199	–	–
	4.50" (114,3 mm)	–	.35" (8,9 mm)	–	108-9200	–	–
	4.50" (114,3 mm)	–	.40" (10,2 mm)	–	108-9201	–	–
	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108-9202	–	–
	4.50" (114,3 mm)	–	.60" (15,2 mm)	–	108-9203	–	–
	5.50" (139,7 mm)	–	.25" (6,3 mm)	–	108-9204	–	–
	5.50" (139,7 mm)	–	.30" (7,6 mm)	–	108-9205	–	–
	5.50" (139,7 mm)	–	.35" (8,9 mm)	–	108-9206	–	–
	5.50" (139,7 mm)	–	.40" (10,2 mm)	–	108-9207	–	–
	5.50" (139,7 mm)	–	.50" (12,7 mm)	–	108-9208	–	–
	5.50" (139,7 mm)	–	.60" (15,2 mm)	–	108-9209	–	–
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9244	–	–
	6.50" (165,1 mm)	–	.30" (7,6 mm)	–	108-9210	–	–
	6.50" (165,1 mm)	–	.35" (8,9 mm)	–	108-9211	–	–
	6.50" (165,1 mm)	–	.40" (10,2 mm)	–	108-9212	–	–
	6.50" (165,1 mm)	–	.50" (12,7 mm)	–	108-9213	–	–
	6.50" (165,1 mm)	–	.60" (15,2 mm)	–	108-9214	–	–
	6.50" (165,1 mm)	–	.75" (19,0 mm)	–	108-9245	–	–
	TITAN SOLID SLICING						
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9239	–	–
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9240	–	–
	6.50" (165,1 mm)	–	.75" (19,0 mm)	–	108-9241	–	–
TITAN CROSS							
	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108-9221	–	–
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9223	–	–
	5.50" (139,7 mm)	–	.50" (12,7 mm)	–	108-9224	112-1313	–
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9226	–	–
	6.50" (165,1 mm)	–	.50" (12,7 mm)	–	108-9227	112-1314	–
	6.50" (165,1 mm)	–	.62" (15,7 mm)	–	108-9228	–	–
	6.50" (165,1 mm)	–	.75" (19,0 mm)	–	108-9229	–	–
CROSS MAX							

PROCORE® 864 / 1298

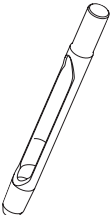


TINE HEADS & TURF GUARDS


TINE HEADS		TINES REQ'D		TURF GUARDS		
Description	Part No.	Qty. 864	Qty. 1298	Part No.	Qty. 864	Qty. 1298
Quad Tine Head, 2 rows of 5 3/8" (9,5 mm) Mount	09736	80	120	120-1047 120-1052 110-4367 110-4368	2 - 1 1	4 2 - -
Quad Tine Head, 1 row of 6 3/8" (9,5 mm) Mount	09737	48	72	120-1050 120-1053 115-2801 115-2802	2 - 1 1	4 2 - -
4 Tine Titan QuickChange 3/4" (19,0 mm) or 7/8" (22,2 mm) Sleeve	09719	32	48	120-1045 120-1046 110-4363 110-4364	2 - 1 1	4 2 - -
3 Tine Titan QuickChange 3/4" (19,0 mm) or 7/8" (22,2 mm) Sleeve	09711	24	36	120-1044 110-4358 110-4359 110-4360	2 - 1 1	4 2 - -

TINE HEADS		TINES REQ'D		TURF GUARDS		
Description	Part No.	Qty. 864	Qty. 1298	Part No.	Qty. 864	Qty. 1298
Needle Tine Head	09739	40	60	120-1047 120-1052 110-4367 110-4368	2 - 1 1	4 2 - -
3 Tine Head 3/4" (19,0 mm) Mount	09794	24	36	120-1044 110-4358 110-4359 115-4360	2 - 1 1	4 2 - -
4 Tine Head 3/4" (19,0 mm) Mount	09796	32	48	120-1045 120-1046 120-1059 120-1060	2 - 1 1	4 2 - -
3 Tine Head HD 7/8" (22,2 mm) Mount	09797	24	36	120-1044 110-4358 110-4359 110-4360	2 - 1 1	4 2 - -

3/8" (9.5 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.50" (114,3 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	108-9104
	4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	108-9105
	4.50" (114,3 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9106
	4.50" (114,3 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	108-9293
	5.00" (127,0 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	138-5937
	5.00" (127,0 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	137-6526
	5.00" (127,0 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	137-6527
	5.00" (127,0 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	137-6529
	5.50" (139,7 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9290

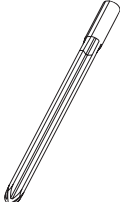
TITAN SOLID ROUND

	4.50" (114,3 mm)	-	.20" (5,1 mm)	-	108-9230
	4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9231
	4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9232
	4.50" (114,3 mm)	-	.38" (9,7 mm)	-	108-9233
	5.50" (139,7 mm)	-	.20" (5,1 mm)	-	108-9234
	5.50" (139,7 mm)	-	.25" (6,3 mm)	-	108-9235
	5.50" (139,7 mm)	-	.30" (7,6 mm)	-	108-9236
	5.50" (139,7 mm)	-	.38" (9,7 mm)	-	108-9237

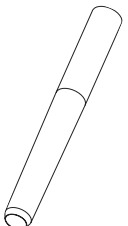
TITAN SOLID SLICING

	5.00" (127,0 mm)	-	.63" (15,9 mm)	-	108-9238
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TITAN CROSS

	4.50" (114,3 mm)	-	.38" (9,5 mm)	-	108-9215
	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9216
	4.50" (114,3 mm)	-	.62" (15,7 mm)	-	108-9217
	5.50" (139,7 mm)	-	.38" (9,5 mm)	-	108-9218
	5.50" (139,7 mm)	-	.50" (12,7 mm)	-	108-9219
	5.50" (139,7 mm)	-	.62" (15,7 mm)	-	108-9220

3/4" (19.05 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9128
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9129
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9130
	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9132
	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9133
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9134
	6.50" (165,1 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9138
	6.50" (165,1 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9136
	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9137

TITAN® Max

Part Number	Titan Max Core ID
QUAD MAX	
108-9112	.23" (5,8 mm)
108-9114	.28" (7,1 mm)
108-9116	.38" (9,7 mm)
-	-
108-9120	.23" (5,8 mm)
108-9122	.28" (7,1 mm)
108-9124	.38" (9,7 mm)
-	-
-	-

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

CROSS MAX

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

TITAN® Max

Part Number	Titan Max Core ID
HOLLOW MAX	
108-9139	.28" (7,1,mm)
108-9141	.38" (9,7 mm)
108-9143	.48" (12,2 mm)
-	-
108-9147	.38" (9,7 mm)
108-9149	.48" (12,2 mm)
108-9135	.28" (7,1 mm)
108-9151	.38" (9,7 mm)
108-9153	.48" (12,2 mm)

3/4" (19.05 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW EXT. TAPER					
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0551
	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0550
SIDE EJECT					
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9159
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9160
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9161
	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9163
	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9164
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9165
	6.50" (165,1 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9162
	6.50" (165,1 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9167
	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9168
TITAN SIDE EJECT EXT. TAPER					
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0555
	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0558
TITAN SPLIT					
	5.75" (146,0 mm)	.51 (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5122
TITAN FAIRWAY HD					
	5.75" (146,0 mm)	.51 (12,95 mm)	.77" (19,6 mm)	.120" (3,0 mm)	108-9260
	5.75" (146,0 mm)	.51 (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	108-9261
TITAN FAIRWAY					
	5.75" (146,0 mm)	.51 (12,95 mm)	.77" (19,6 mm)	.120" (3,1 mm)	104-9876
	5.75" (146,0 mm)	.51 (12,95 mm)	.88" (22,4 mm)	.122" (3,1 mm)	104-9875
CLASSIC					
	4.75" (120,6 mm)	.40" (10,2 mm)	.50" (12,7 mm)	.049" (1,2 mm)	66-9140
	4.75" (120,6 mm)	.50" (12,7 mm)	.63" (15,9 mm)	.049" (1,2 mm)	59-3670
	5.75" (146,0 mm)	.51" (12,9 mm)	.63" (15,9 mm)	.058" (1,5 mm)	104-0984
	6.50" (165,1 mm)	.39" (9,9 mm)	.66" (16,8 mm)	.058" (1,5 mm)	105-1180

TITAN® Max

Part Number	Titan Max Core ID
HOLLOW EXT. TAPER MAX	
114-0553	.47" (12,0 mm)
–	–
SIDE EJECT MAX	
108-9170	.28" (7,1 mm)
108-9172	.38" (9,7 mm)
108-9174	.48" (12,2 mm)
108-9176	.28" (7,1 mm)
108-9178	.38" (9,7 mm)
108-9180	.48" (12,2 mm)
108-9166	.28" (7,1 mm)
108-9182	.38" (9,7 mm)
108-9184	.48" (12,2 mm)
SIDE EJECT EXT. TAPER MAX	
114-0557	.47" (12,0 mm)
114-0560	.47" (12,0 mm)
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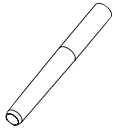
7/8" (22.2 MM) MOUNT

TITAN® Max

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
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Part Number	Titan Max Core ID
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TITAN HOLLOW



4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9190
4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9191
5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9192
5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9193

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-	-

SIDE EJECT



4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9194
4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9195
5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9196
5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9197

SIDE EJECT MAX

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-	-
108-9188	.48" (12,2 mm)
-	-

TITAN SPLIT



5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5121
5.75" (146,0 mm)	.64" (16,1 mm)	.92" (23,4 mm)	.120" (3,0 mm)	112-5123

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TITAN FAIRWAY HD



5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	108-9264
5.75" (146,0 mm)	.64" (16,1 mm)	1.00" (25,4 mm)	.122" (3,1 mm)	108-9265

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TITAN FAIRWAY



4.75" (120,6 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7941
5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7900
5.75" (146,0 mm)	.64" (16,1 mm)	1.00" (25,4 mm)	.120" (3,0 mm)	104-9877

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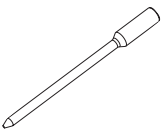
CLASSIC



4.75" (120,6 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	62-4600
5.75" (146,0 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	86-9720

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-	-

TITAN SOLID ROUND



5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9246
5.50" (139,7 mm)	-	.88" (22,2 mm)	-	108-9247
6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9248
6.50" (165,1 mm)	-	.88" (22,2 mm)	-	108-9249

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-	-

TITAN SOLID SLICING



5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9242
6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9243

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TITAN CROSS



5.50" (139,7 mm)	-	.88" (22,2 mm)	-	108-9259
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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
	7.38" (187,5 mm)	-	8,0 mm	-	100-3621
	5.43" (137,9 mm)	-	5,0 mm	-	125-3319


PROCORE[®] 440 / 660 / 880




TINE HEADS & 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

3/8" (9.5 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.50" (114,3 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	108-9104
	4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	108-9105
	4.50" (114,3 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9106
	4.50" (114,3 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	108-9293
	5.00" (127,0 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	138-5937
	5.00" (127,0 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	137-6526
	5.00" (127,0 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	137-6527
	5.00" (127,0 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	137-6529
	5.50" (139,7 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9290

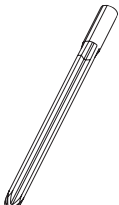
TITAN SOLID ROUND

	4.50" (114,3 mm)	-	.20" (5,1 mm)	-	108-9230
	4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9231
	4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9232
	4.50" (114,3 mm)	-	.38" (9,7 mm)	-	108-9233
	5.50" (139,7 mm)	-	.20" (5,1 mm)	-	108-9234
	5.50" (139,7 mm)	-	.25" (6,3 mm)	-	108-9235
	5.50" (139,7 mm)	-	.30" (7,6 mm)	-	108-9236
	5.50" (139,7 mm)	-	.38" (9,7 mm)	-	108-9237

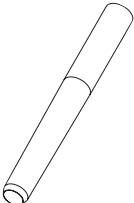
TITAN SOLID SLICING

	5.00" (127,0 mm)	-	.63" (15,9 mm)	-	108-9238
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TITAN CROSS

	4.50" (114,3 mm)	-	.38" (9,5 mm)	-	108-9215
	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9216
	4.50" (114,3 mm)	-	.62" (15,7 mm)	-	108-9217
	5.50" (139,7 mm)	-	.38" (9,5 mm)	-	108-9218
	5.50" (139,7 mm)	-	.50" (12,7 mm)	-	108-9219
	5.50" (139,7 mm)	-	.62" (15,7 mm)	-	108-9220

3/4" (19.05 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9128
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9129
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9130
	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9132
	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9133
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9134

TITAN® Max

Part Number	Titan Max Core ID
QUAD MAX	
108-9112	.23" (5,8 mm)
108-9114	.28" (7,1 mm)
108-9116	.38" (9,7 mm)
-	-
108-9120	.23" (5,8 mm)
108-9122	.28" (7,1 mm)
108-9124	.38" (9,7 mm)
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CROSS MAX

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

TITAN® Max


Part Number	Titan Max Core ID
HOLLOW MAX	
108-9139	.28" (7,1 mm)
108-9141	.38" (9,7 mm)
108-9143	.48" (12,2 mm)
-	-
108-9147	.38" (9,7 mm)
108-9149	.48" (12,2 mm)

3/4" (19.05 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108-9221
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9223
	5.50" (139,7 mm)	–	.50" (12,7 mm)	–	108-9224
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9226

TITAN® Max	
Part Number	Titan Max Core ID
CROSS MAX	
–	–
–	–
112-1313	–
–	–

7/8" (22.2 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9190
	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9191
	5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9192
	5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9193

TITAN® Max	
Part Number	Titan Max Core ID
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TITAN SIDE EJECT

	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9194
	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9195
	5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9196
	5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9197

SIDE EJECT MAX	
Part Number	Titan Max Core ID
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–	–
108-9188	.48" (12,2 mm)
–	–

TITAN SPLIT

	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5121
	5.75" (146,0 mm)	.64" (16,1 mm)	.92" (23,4 mm)	.120" (3,0 mm)	112-5123

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TITAN FAIRWAY HD

	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	108-9264
	5.75" (146,0 mm)	.64" (16,1 mm)	1.00" (25,4 mm)	.122" (3,1 mm)	108-9265


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TITAN FAIRWAY

	4.75" (120,6 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7941
	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7900
	5.75" (146,0 mm)	.64" (16,1 mm)	1.00" (25,4 mm)	.120" (3,0 mm)	104-9877


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CLASSIC

	4.75" (120,6 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	62-4600
	5.75" (146,0 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	86-9720

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TITAN SOLID ROUND

	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9246
	5.50" (139,7 mm)	–	.88" (22,2 mm)	–	108-9247

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TITAN SOLID SLICING

	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9242
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TITAN CROSS

	5.50" (139,7 mm)	–	.88" (22,2 mm)	–	108-9259
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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
	7.38" (187,5 mm)	–	8,0 mm	–	100-3621
	5.43" (137,9 mm)	–	5,0 mm	–	125-3319

GREENS AERATOR



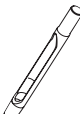
TINE HEADS & TURF GUARDS




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


3/8" (9.5 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.50" (114,3 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	108-9104
	4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	108-9105
	4.50" (114,3 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9106
	4.50" (114,3 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	108-9293


TITAN SOLID ROUND

	4.50" (114,3 mm)	-	.20" (5,1 mm)	-	108-9230
	4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9231
	4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9232
	4.50" (114,3 mm)	-	.38" (9,7 mm)	-	108-9233


TITAN CROSS

	4.50" (114,3 mm)	-	.38" (9,5 mm)	-	108-9215
	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9216
	4.50" (114,3 mm)	-	.63" (15,9 mm)	-	108-9217


3/4" (19.05 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9128
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9129
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9130


TITAN SIDE EJECT

	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9159
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9160
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9161

CLASSIC

	4.75" (120,6 mm)	.40" (10,2 mm)	.50" (12,7 mm)	.049" (1,2 mm)	66-9140
	4.75" (120,6 mm)	.50" (12,7 mm)	.63" (15,9 mm)	.049" (1,2 mm)	59-3670

TITAN SOLID ROUND

	4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9198
	4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9199
	4.50" (114,3 mm)	-	.35" (8,9 mm)	-	108-9200
	4.50" (114,3 mm)	-	.40" (10,2 mm)	-	108-9201
	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9202
	4.50" (114,3 mm)	-	.60" (15,2 mm)	-	108-9203

TITAN® Max

Part Number	Titan Max Core ID
QUAD MAX	
108-9112	.23" (5.8 mm)
108-9114	.28" (7.1 mm)
108-9116	.38" (9.7 mm)
-	-

-	-
-	-
-	-
-	-

CROSS MAX

-	-
112-1310	-
-	-

TITAN® Max



Part Number	Titan Max Core ID
HOLLOW MAX	
108-9139	.28" (7,1 mm)
108-9141	.38" (9,7 mm)
108-9143	.48" (12,2 mm)

SIDE EJECT MAX





108-9170	.28" (7,1 mm)
108-9172	.38" (9,7 mm)
108-9174	.48" (12,2 mm)

GREENS AERATOR

3/4" (19.05 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN SOLID SLICING					
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9239
TITAN CROSS					
	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108-9221
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9223

7/8" (22.2 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW					
	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9190
	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9191
TITAN SIDE EJECT					
	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9194
	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9195
CLASSIC					
	4.75" (120,6 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	62-4600
TITAN FAIRWAY					
	4.75" (120,6 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7941

NEEDLE TINE

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	6.43" (163,3 mm)	–	5,0 mm	–	100-3620

FAIRWAY AERATOR






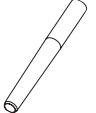


TINE HEADS & TURF GUARDS

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 70-9440	3
Outer	95-3103			
Bridging	95-3104			
Inner	95-3105			
6-Tine, 7/8" (22,2 mm) Block		12		
Outer	70-9380			
Bridging	70-9390			
Inner	70-9400			

FAIRWAY AERATOR

3/4" (19.05 MM) MOUNT


	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW					
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9128
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9129
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9130
	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9132
	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9133
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9134
TITAN HOLLOW EXT. TAPER					
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0551
TITAN SIDE EJECT					
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9159
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9160
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9161
	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9163
	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9164
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9165
TITAN SIDE EJECT EXT. TAPER					
	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0555
TITAN SPLIT					
	5.75" (146,0 mm)	.64" (16,26 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5122
TITAN FAIRWAY HD					
	5.75" (146,0 mm)	.51" (12,95 mm)	.77" (19,6 mm)	.120" (3,0 mm)	108-9260
	5.75" (146,0 mm)	.51" (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	108-9261
TITAN FAIRWAY					
	5.75" (146,0 mm)	.51" (12,95 mm)	.77" (19,6 mm)	.120" (3,0 mm)	104-9876
	5.75" (146,0 mm)	.51" (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	104-9875
CLASSIC					
	4.75" (120,6 mm)	.40" (10,2 mm)	.50" (12,7 mm)	.049" (1,2 mm)	66-9140
	4.75" (120,6 mm)	.50" (12,7 mm)	.63" (15,9 mm)	.049" (1,2 mm)	59-3670
	5.75" (146,0 mm)	.51" (12,9 mm)	.63" (15,9 mm)	.058" (1,5 mm)	104-0984

TITAN® Max

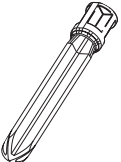
Part Number	Titan Max Core ID
HOLLOW MAX	
108-9139	.28" (7,1 mm)
108-9141	.38" (9,7 mm)
108-9143	.48" (12,2 mm)
-	-
108-9147	.38" (9,7 mm)
108-9149	.48" (12,2 mm)
HOLLOW EXT. TAPER MAX	
114-0553	.47" (12,0 mm)
SIDE EJECT MAX	
108-9170	.28" (7,1 mm)
108-9172	.38" (9,7 mm)
108-9174	.48" (12,2 mm)
108-9176	.28" (7,1 mm)
108-9178	.38" (9,7 mm)
108-9180	.48" (12,2 mm)
SIDE EJECT EXT. TAPER MAX	
114-0557	.47" (12,0 mm)
-	-
-	-
-	-
-	-
-	-
-	-

FAIRWAY AERATOR

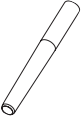


3/4" (19.05 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.50" (114,3 mm)	–	.25" (6,3 mm)	–	108-9198
	4.50" (114,3 mm)	–	.30" (7,6 mm)	–	108-9199
	4.50" (114,3 mm)	–	.35" (8,9 mm)	–	108-9200
	4.50" (114,3 mm)	–	.40" (10,2 mm)	–	108-9201
	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108-9202
	4.50" (114,3 mm)	–	.60" (15,2 mm)	–	108-9203
	5.50" (139,7 mm)	–	.25" (6,3 mm)	–	108-9204
	5.50" (139,7 mm)	–	.30" (7,6 mm)	–	108-9205
	5.50" (139,7 mm)	–	.35" (8,9 mm)	–	108-9206
	5.50" (139,7 mm)	–	.40" (10,2 mm)	–	108-9207
	5.50" (139,7 mm)	–	.50" (12,7 mm)	–	108-9208
	5.50" (139,7 mm)	–	.60" (15,2 mm)	–	108-9209
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9244

TITAN CROSS

	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108-9221
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9223
	5.50" (139,7 mm)	–	.50" (12,7 mm)	–	108-9224
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9226

7/8" (22.2 MM) MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9190
	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9191
	5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9192
	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9193
	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9194
	5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9195
	5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9196
	5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9197
	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5121
	5.75" (146,0 mm)	.64" (16,1 mm)	.92" (23,4 mm)	.120" (3,0 mm)	112-5123

TITAN® Max

Part Number	Titan Max Core ID
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CROSS MAX







–	–
–	–
112-1313	–
–	–

TITAN® Max

Part Number	Titan Max Core ID
HOLLOW MAX	
–	–
–	–
108-9157	.48" (12,2 mm)
–	–
SIDE EJECT MAX	
–	–
–	–
108-9188	.48" (12,2 mm)
–	–
SPLIT MAX	
–	–
–	–

FAIRWAY AERATOR



7/8" (22.2 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN FAIRWAY HD					
	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	108-9264
	5.75" (146,0 mm)	.64" (16,1 mm)	1.00" (25,4 mm)	.122" (3,1 mm)	108-9265
TITAN FAIRWAY					
	4.75" (120,6 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7941
	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7900
	5.75" (146,0 mm)	.64" (16,1 mm)	1.00" (25,4 mm)	.120" (3,0 mm)	104-9877
CLASSIC					
	4.75" (120,6 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	62-4600
	5.75" (146,0 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	86-9720
TITAN SOLID ROUND					
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9246
	5.50" (139,7 mm)	–	.88" (22,2 mm)	–	108-9247
TITAN SOLID SLICING					
	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108-9239
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9240
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9242
TITAN CROSS					
	5.50" (139,7 mm)	–	.88" (22,2 mm)	–	108-9259

TURF AERATOR 686 / 687



TURF AERATOR 686/687

	Part Number	Size	Quantity Required
<i>SPOON-OPEN</i>			
	108-9296	1/2" (12,7 mm)	96 tines
	108-9298	3/4" (19,0 mm)	96 tines
<i>SPOON-CLOSED</i>			
	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 provide 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" (12 MM) OR 11/16" (18 MM) MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8614	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8615	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8624	–	SGT10750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.81" (20,6 mm)	139-8613	–	SGT10813H
18,0 mm	8.00" (203,2 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8622	–	SGT08125
18,0 mm	8.00" (203,2 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8628	–	SGT08100H
18,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8623	–	SGT10750
18,0 mm	10.00" (254,0 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8617	–	139-8617
18,0 mm	10.00" (254,0 mm)	.76" (19,3 mm)	1.00" (25,4 mm)	139-8619	–	SGT10100S
18,0 mm	12.00" (304,8 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8623	–	SGT12125

SOLID TINES

5/16" (7,9 mm)	8.50" (215,9 mm)	–	.31" (7,9 mm)	SGS07313*	SGA08313	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.31" (7,9 mm)	SGS08313*	SGA08313	–
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.38" (9,5 mm)	SGS08375*	SGA12375	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.38" (9,5 mm)	SGS10374*	SGA12375	–
3/8" (9,5 mm)	12.25" (311,2 mm)	–	.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)	–	.31" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.31" (7,9 mm)	SGS08313	–	–

SR48 ADAPTER HEAD KIT 117-7191

CORING TINES

12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.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	–	–

PROCORE® SR SERIES SR54

5/16" (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)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	SGA10375	-
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	-	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	-	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8620	-	SGT10750
SOLID TINES						
5/16" (7,9 mm)	8.50" (215,9 mm)	-	.31" (7,9 mm)	SGS07313	-	-
5/16" (7,9 mm)	10.00" (254,0 mm)	-	.31" (7,9 mm)	SGS08313	-	-
3/8" (9,5 mm)	9.00" (228,6 mm)	-	.38" (9,5 mm)	SGS08375*	SGA10375	-
3/8" (9,5 mm)	10.75" (273,1 mm)	-	.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)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	-	SGT05550
SOLID TINES						
5/16" (7,9 mm)	8.50" (215,9 mm)	-	.31" (7,9 mm)	SGS07313	-	-
5/16" (7,9 mm)	10.00" (254,0 mm)	-	.31" (7,9 mm)	SGS08313	-	-
3/8" (9,5 mm)	9.00" (228,6 mm)	-	.38" (9,5 mm)	SGS08375*	SGA10375	-
3/8" (9,5 mm)	10.75" (273,1 mm)	-	.38" (9,5 mm)	SGS10374*	SGA10375	-
3/8" (9,5 mm)	12.25" (311,2 mm)	-	.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
<i>CORING TINES</i>						
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8620	–	SGT10750
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.31" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.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)

<i>SOLID TINES</i>						
18,0 mm	12.25" (311,2 mm)	–	18,0 mm	SGS10750	–	–

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

<i>CORING TINES</i>						
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8620	–	SGT10750
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.31" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.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)

<i>CORING TINES</i>						
3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	–	SGT05550
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.31" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.31" (7,9 mm)	SGS08313	–	–
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.38" (9,5 mm)	SGS08375	–	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.38" (9,5 mm)	SGS10374	–	–

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

<i>CORING TINES</i>						
3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	–	SGT05550
<i>SOLID TINES</i>						
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.38" (9,5 mm)	SGS08375	–	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.38" (9,5 mm)	SGS10374	–	–

PROCORE® SR SERIES SR70

5/16" (12 MM) MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
<i>CORING TINES</i>						
3/8" (9.5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	SGA10375	SGT05550
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8620	–	SGT10750
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.31" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.31" (7,9 mm)	SGS08313	–	–
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.38" (9,5 mm)	SGS08375	SGA10375	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.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)

<i>CORING TINES</i>						
3/8" (9.5 mm)	5.50" (139,7 mm)	–	.50" (12,7 mm)	139-8618	–	3/8" (9.5 mm)
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.3125" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.3125" (7,9 mm)	SGS08313	–	–
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.375" (9,5 mm)	SGS08375	–	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.375" (9,5 mm)	SGS10374	–	–
3/8" (9,5 mm)	12.25" (311,2 mm)	–	.375" (9,5 mm)	SGS10375	–	–

SR70 ADAPTER HEAD KIT 117-7193 (48 TINES) – CONTINUED

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
<i>CORING TINES</i>						
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8620	–	SGT10750
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.3125" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.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)

<i>SOLID TINES</i>						
18,0 mm	12.25" (311,2 mm)	–	18,0 mm	SGS10750	–	–

SR70-S ADAPTER HEAD KIT 117-7195 (16 TINES)

<i>CORING TINES</i>						
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8620	–	SGT10750
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.3125" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.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)

<i>CORING TINES</i>						
3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	–	SGT05550
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.3125" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.3125" (7,9 mm)	SGS08313	–	–
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.375" (9,5 mm)	SGS08375	–	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.375" (9,5 mm)	SGS10374	–	–

SR70-S ADAPTER HEAD KIT 117-7199 (64 TINES)

<i>CORING TINES</i>						
3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	–	SGT05550
<i>SOLID TINES</i>						
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.375" (9,5 mm)	SGS08375	–	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.375" (9,5 mm)	SGS10374	–	–

PROCORE® SR SERIES SR72

5/16" (12 MM) OR 11/16" (18 MM) MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
<i>CORING TINES</i>						
12,0 mm Long	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8614	–	SGT07625
12,0 mm Long	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8615	–	SGT07750
12,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8624	–	SGT10750
12,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.81" (20,6 mm)	139-8613	–	SGT10813H
18,0 mm Long	8.00" (203,2 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8622	–	SGT10750
18,0 mm Long	8.00" (203,2 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8628	–	SGT08100H
18,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8623	–	SGT10100S
18,0 mm Long	10.00" (254,0 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8617	–	139-8617
18,0 mm Long	10.00" (254,0 mm)	.76" (19,3 mm)	1.00" (25,4 mm)	139-8619	–	SGT08125
18,0 mm Long	12.00" (304,8 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8627	–	SGT12125
<i>SOLID TINES</i>						
5/16" (7,9 mm)	8.50" (215,9 mm)	–	.31" (7,9 mm)	SGS07313	SGA08313	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.31" (7,9 mm)	SGS08313	SGA08313	–
3/8" (9,5 mm)	9.00" (228,6 mm)	–	.375" (9,5 mm)	SGS08375	SGA12375	–
3/8" (9,5 mm)	10.75" (273,1 mm)	–	.375" (9,5 mm)	SGS10374	SGA12375	–
3/8" (9,5 mm)	12.25" (311,2 mm)	–	.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)

SOLID TINES

5/16" (7,9 mm)	8.50" (215,9 mm)	–	.3125" (7,9 mm)	SGS07313	–	–
5/16" (7,9 mm)	10.00" (254,0 mm)	–	.3125" (7,9 mm)	SGS08313	–	–

SR72 ADAPTER HEAD KIT 117–7191 (60 TINES)

CORING TINES

12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8616	–	SGT07625
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8625	–	SGT07750
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.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	–	–

*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)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8622	SG715802	SGT08125
18,0 mm Long	8.00" (203,2 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8628	SG715802	SGT08100H
18,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8623	SG715802	SGT10750
18,0 mm Long	10.00" (254,0 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8617	SG715802	139-8617
18,0 mm Long	10.00" (254,0 mm)	.76" (19,3 mm)	1.00" (25,4 mm)	139-8619	SG715802	SGT10100S
18,0 mm Long	12.00" (304,8 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8627	SG715802	SGT12125
7/8" (22,2 mm) Long	8.00" (203,2 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8626	-	SGT08125
7/8" (22,2 mm) Long	12.00" (304,8 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8621	-	SGT12125

SOLID TINES

18,0 mm	12.25" (311,2 mm)	-	18,0 mm	SGS10750	SG715802	-
18,0 mm	12.50" (317,5 mm)	-	.875" (22,2 mm)	SGS10875	SG715802	-
18,0 mm	14.00" (355,6 mm)	-	.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)	-	.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)	-	.875" (22,2 mm)	SGS10876	-	-
7/8" (22,2 mm)	14.00" (355,6 mm)	-	.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)

CORING TINES

12,0 mm Long	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	139-8614	-	SGT07625
12,0 mm Long	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	139-8615	-	SGT07750
12,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.81" (20,6 mm)	139-8613	-	SGT10813H
12,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8624	-	SGT10750
18,0 mm Long	8.00" (203,2 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8628	-	SGT08100H
18,0 mm Long	8.00" (203,2 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	139-8622	-	SGT08125
18,0 mm Long	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	139-8623	-	SGT07625
18,0 mm Long	10.00" (254,0 mm)	.76" (19,3 mm)	1.00" (25,4 mm)	139-8619	-	SGT10100S
18,0 mm Long	10.00" (254,0 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	139-8617	-	139-8617
18,0 mm Long	12.00" (304,8 mm)	.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)	–	.875" (22,2 mm)	SGS10875	–	–
	18,0 mm	14.00" (355,6 mm)	–	.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)	–	.875" (22,2 mm)	SGS14875	–	–
	18,0 mm	16.25" (412,8 mm)	–	18,0 mm	SGS14750	–	–

COMPETITIVE MODELS



TITAN® Conversion Sleeves

Part Number	Description	Mount
112-1300	Sleeve	1/2" (12,7 mm)
112-1301	Sleeve	5/8" (15,9 mm)

Easily Converts TITAN® Tines to 1/2" (12,7 mm) and 5/8" (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 3/8" (9,5 mm) mount Toro tine to create a 1/2" (12,7 mm) mount or 5/8" (15,9 mm) mount.

TITAN® TINES COMPETITIVE MODELS

3/8" (99.5 MM) MOUNT					TITAN® Max		Competitive Model	
Length	Core Dia. (ID)	OD	Part Number	Wall	Part Number	Core Dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN QUAD					QUAD MAX			
4.50" (114,3 mm)	.25" (6,3 mm)	.36" (9,1 mm)	108-9104	.052" (1,3 mm)	108-9112	.23" (5,8 mm)	X	X
4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	108-9105	.063" (1,6 mm)	108-9114	.28" (7,1 mm)	X	X
4.50" (114,3 mm)	.41" (10,3 mm)	.55" (13,9 mm)	108-9106	.063" (1,6 mm)	108-9116	.38" (9,7 mm)	X	X
4.50" (114,3 mm)	.48" (12,2 mm)	.58" (14,7 mm)	108-9293	.049" (1,2 mm)	-	-	X	X
5.00" (127,0 mm)	.25" (6,3 mm)	.36" (9,1 mm)	138-5937	.052" (1,3 mm)	108-9120	.23" (5,8 mm)	X	X
5.00" (127,0 mm)	.32" (8,1 mm)	.46" (11,6 mm)	137-6526	.063" (1,6 mm)	108-9122	.28" (7,1 mm)	X	X
5.00" (127,0 mm)	.41" (10,3 mm)	.55" (13,9 mm)	137-6527	.063" (1,6 mm)	108-9124	.38" (9,7 mm)	X	X
5.00" (127,0 mm)	.48" (12,2 mm)	.58" (14,7 mm)	137-6529	.049" (1,2 mm)	-	-	X	X
TITAN SOLID ROUND								
4.50" (114,3 mm)	-	.20" (5,1 mm)	108-9230	-	-	-	X	X
4.50" (114,3 mm)	-	.25" (6,3 mm)	108-9231	-	-	-	X	X
4.50" (114,3 mm)	-	.30" (7,6 mm)	108-9232	-	-	-	X	X
4.50" (114,3 mm)	-	.38" (9,7 mm)	108-9233	-	-	-	X	X
5.50" (139,7 mm)	-	.20" (5,1 mm)	108-9234	-	-	-	X	X
5.50" (139,7 mm)	-	.25" (6,3 mm)	108-9235	-	-	-	X	X
5.50" (139,7 mm)	-	.30" (7,6 mm)	108-9236	-	-	-	X	X
5.50" (139,7 mm)	-	.38" (9,7 mm)	108-9237	-	-	-	X	X
TITAN SOLID SLICING								
5.00" (127,0 mm)	-	.63" (15,9 mm)	108-9238	-	-	-	X	X
TITAN CROSS					CROSS MAX			
4.50" (114,3 mm)	-	.38" (9,5 mm)	108-9215	-	-	-	X	X
4.50" (114,3 mm)	-	.50" (12,7 mm)	108-9216	-	112-1310	-	X	X
4.50" (114,3 mm)	-	.63" (15,9 mm)	108-9217	-	-	-	X	X
5.50" (139,7 mm)	-	.38" (9,5 mm)	108-9218	-	-	-	X*	X
5.50" (139,7 mm)	-	.50" (12,7 mm)	108-9219	-	112-1311	-	X*	X
5.50" (139,7 mm)	-	.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 Number	Wall	Part Number	Core Dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN QUAD					QUAD MAX			
4.50" (114,3 mm)	.32" (8,3 mm)	.46" (11,6 mm)	112-1316	.063" (1,6 mm)	112-1322	.28" (7,1 mm)	X	-
TITAN SOLID ROUND								
4.50" (114,3 mm)	-	.50" (12,7 mm)	112-1347	-	-	-	X	-
5.50" (139,7 mm)	-	.25" (6,3 mm)	112-1329	-	-	-	X	-
TITAN SOLID SLICING								
5.00" (127,0 mm)	-	.63" (15,9 mm)	112-5102	-	-	-	X	-
5/8" (15.8 MM) MOUNT					TITAN® Max		Competitive Model	
Length	Core Dia. (ID)	OD	Part Number	Wall	Part Number	Core Dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN SIDE EJECT								
4.50" (114,3 mm)	.43" (10,9 mm)	.56" (14,2 mm)	112-1303	.058" (1,5 mm)	112-1304	.38" (9,5 mm)	X	-
TITAN SOLID ROUND								
4.50" (114,3 mm)	-	.63" (15,9 mm)	112-1348	-	-	-	X	-
TITAN SOLID SLICING								
5.00" (127,0 mm)	-	.63" (15,9 mm)	112-5103	-	-	-	X	-

*Only available on GA 30/60 models

TITAN® TINES COMPETITIVE MODELS

3/4" (19.05 MM) MOUNT					TITAN® Max		Competitive Model	
Length	Core Dia. (ID)	OD	Part Number	Wall	Part Number	Core Dia. (ID)	Ryan® GA 24/30/60	John Deere®
TITAN HOLLOW					HOLLOW MAX			
4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	108-9128	.058" (1,5 mm)	108-9139	.28" (7,1 mm)	X	X
4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	108-9129	.058" (1,5 mm)	108-9141	.38" (9,7 mm)	X	X
4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	108-9130	.058" (1,5 mm)	108-9143	.48" (12,2 mm)	X	X
5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	108-9132	.058" (1,5 mm)	-	-	-	-
5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	108-9133	.058" (1,5 mm)	108-9147	.38" (9,7 mm)	X*	X
5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	108-9134	.058" (1,5 mm)	108-9149	.48" (12,2 mm)	X*	X
TITAN HOLLOW EXT. TAPER					HOLLOW EXT. TAPER MAX			
5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	114-0551	.058" (1,5 mm)	114-0553	.47" (12,0 mm)	X*	X
TITAN SIDE EJECT					SIDE EJECT MAX			
4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	108-9159	.058" (1,5 mm)	108-9170	.28" (7,1 mm)	X	-
4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	108-9160	.058" (1,5 mm)	108-9172	.38" (9,7 mm)	X	-
4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	108-9161	.058" (1,5 mm)	108-9174	.48" (12,2 mm)	X	-
5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	108-9163	.058" (1,5 mm)	108-9176	.28" (7,1 mm)	-	X
5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	108-9164	.058" (1,5 mm)	108-9178	.38" (9,7 mm)	-	X
5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	108-9165	.058" (1,5 mm)	108-9180	.47" (12,2 mm)	-	X
TITAN SIDE EJECT EXT. TAPER					SIDE EJECT EXT. TAPER MAX			
5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	114-0555	.058" (1,5 mm)	114-0557	.47" (12,0 mm)		X
TITAN FAIRWAY HD								
5.75" (146,0 mm)	.51" (12,95 mm)	.77" (19,6 mm)	108-9260	.120" (3,0 mm)	-	-	X*	X
5.75" (146,0 mm)	.51" (12,95 mm)	.88" (22,4 mm)	108-9261	.120" (3,0 mm)	-	-	X*	X
TITAN FAIRWAY								
5.75" (146,0 mm)	.51" (12,95 mm)	.77" (19,6 mm)	104-9876	.120" (3,0 mm)	-	-		X
5.75" (146,0 mm)	.51" (12,95 mm)	.88" (22,4 mm)	104-9875	.120" (3,0 mm)	-	-		X
CLASSIC								
4.75" (120,6 mm)	.40" (10,2 mm)	.50" (12,7 mm)	66-9140	.049" (1,2 mm)	-	-	X	X
4.75" (120,6 mm)	.50" (12,7 mm)	.63" (15,9 mm)	59-3670	.049" (1,2 mm)	-	-	X	X
5.75" (146,0 mm)	.51" (12,9 mm)	.63" (15,9 mm)	104-0984	.058" (1,5 mm)	-	-	X*	X
TITAN SOLID ROUND								
4.50" (114,3 mm)	-	.25" (6,3 mm)	108-9198	-	-	-	X	X
4.50" (114,3 mm)	-	.30" (7,6 mm)	108-9199	-	-	-	X	X
4.50" (114,3 mm)	-	.35" (8,9 mm)	108-9200	-	-	-	X	X
4.50" (114,3 mm)	-	.40" (10,2 mm)	108-9201	-	-	-	X	X
4.50" (114,3 mm)	-	.50" (12,7 mm)	108-9202	-	-	-	X	X
4.50" (114,3 mm)	-	.60" (15,2 mm)	108-9203	-	-	-	X	X
5.50" (139,7 mm)	-	.25" (6,3 mm)	108-9204	-	-	-	X*	X
5.50" (139,7 mm)	-	.30" (7,6 mm)	108-9205	-	-	-	X*	X
5.50" (139,7 mm)	-	.35" (8,9 mm)	108-9206	-	-	-	X*	X
5.50" (139,7 mm)	-	.40" (10,2 mm)	108-9207	-	-	-	X*	X
5.50" (139,7 mm)	-	.50" (12,7 mm)	108-9208	-	-	-	X*	X
5.50" (139,7 mm)	-	.60" (15,2 mm)	108-9209	-	-	-	X*	X
5.50" (139,7 mm)	-	.75" (19,0 mm)	108-9244	-	-	-	X*	X

*Only available on GA 30/60 models

TITAN® TINES COMPETITIVE MODELS

3/4" (19.05 MM) MOUNT – CONTINUED

TITAN® Max

Competitive Model

Length	Core Dia. (ID)	OD	Part Number	Wall	Part Number	Core Dia. (ID)	Competitive Model	
							Ryan® GA 24/30/60	John Deere®
TITAN SOLID SLICING								
4.50" (114,3 mm)	–	.75" (19,0 mm)	108-9239	–	–	–	X	X
5.50" (139,7 mm)	–	.75" (19,0 mm)	108-9240	–	–	–	X*	X
TITAN CROSS								
4.50" (114,3 mm)	–	.50" (12,7 mm)	108-9221	–	–	–	X	X
4.50" (114,3 mm)	–	.75" (19,0 mm)	108-9223	–	–	–	X	X
5.50" (139,7 mm)	–	.50" (12,7 mm)	108-9224	–	112-1313	–	X*	X
5.50" (139,7 mm)	–	.75" (19,0 mm)	108-9226	–	–	–	X*	X
TITAN HOLLOW								
4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	108-9190	.058" (1,5 mm)	–	–	X*	X
4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	108-9191	.058" (1,5 mm)	–	–	X*	X
5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	108-9192	.058" (1,5 mm)	108-9157	.48" (12,2 mm)	X*	X
5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	108-9193	.058" (1,5 mm)	–	–	X*	X
TITAN SIDE EJECT								
4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	108-9194	.058" (1,5 mm)	–	–	X*	X
4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	108-9195	.058" (1,5 mm)	–	–	X*	X
5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	108-9196	.058" (1,5 mm)	108-9188	.48" (12,2 mm)	X*	X
5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	108-9197	.058" (1,5 mm)	–	–	X*	X
TITAN FAIRWAY HD								
5.75" (146,0 mm)	.640" (16,3 mm)	.88" (22,2 mm)	108-9264	.122" (3,1 mm)	–	–	X*	X
5.75" (146,0 mm)	.640" (16,3 mm)	1.0" (25,4 mm)	108-9265	.122" (3,1 mm)	–	–	X*	X
TITAN FAIRWAY								
4.75" (120,6 mm)	16,3 mm (.640")	.88" (22,2 mm)	92-7941	.122" (3,1 mm)	–	–	X	X
5.75" (146,0 mm)	16,3 mm (.640")	.88" (22,2 mm)	92-7900	.122" (3,1 mm)	–	–	X*	X
5.75" (146,0 mm)	16,3 mm (.640")	1.0" (25,4 mm)	104-9877	.120" (3,0 mm)	–	–	X*	X
CLASSIC								
4.75" (120,6 mm)	.60" (15,2 mm)	.75" (19,0 mm)	62-4600	.065" (1,7 mm)	–	–	X*	X
5.75" (146,0 mm)	.60" (15,2 mm)	.75" (19,0 mm)	86-9720	.065" (1,7 mm)	–	–	X*	X
TITAN SOLID ROUND								
5.50" (139,7 mm)	–	.75" (19,0 mm)	108-9246	–	–	–	X*	X
5.50" (139,7 mm)	–	.88" (22,2 mm)	108-9247	–	–	–	X*	X
TITAN SOLID SLICING								
5.50" (139,7 mm)	–	.75" (19,0 mm)	108-9242	–	–	–	X*	X
TITAN CROSS								
5.50" (139,7 mm)	–	.88" (22,2 mm)	108-9259	–	–	–	X*	X

*Only available on GA 30/60 models

QUICK REFERENCE

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
TITAN Quad and Max Quad						
1/2" (12,7 mm)	4.50" (114,3 mm)	.32" (8,3 mm)	.46" (11,6 mm)	.063" (1,6 mm)	112-1316	-
3/8" (9,5 mm)	4.50" (114,3 mm)	.25" (6,3 mm)	.36" (9,1 mm)	.052" (1,3 mm)	108-9104	108-9112
3/8" (9,5 mm)	4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	108-9105	108-9114
3/8" (9,5 mm)	4.50" (114,3 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	108-9106	108-9116
3/8" (9,5 mm)	4.50" (114,3 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	108-9293	-
3/8" (9,5 mm)	5.00" (127,0 mm)	.25" (6,3 mm)	.55" (14,0 mm)	.052" (1,3 mm)	138-5937	108-9120
3/8" (9,5 mm)	5.00" (127,0 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	137-6526	108-9122
3/8" (9,5 mm)	5.00" (127,0 mm)	.41" (10,3 mm)	.55" (13,9 mm)	.063" (1,6 mm)	137-6527	108-9124
3/8" (9,5 mm)	5.00" (127,0 mm)	.48" (12,2 mm)	.58" (14,7 mm)	.049" (1,2 mm)	137-6529	-
3/8" (9,5 mm)	5.50" (139,7 mm)	.41" (10,3 mm)	.58" (14,7 mm)	.063" (1,6 mm)	108-9290	-
5/8" (15,9 mm)	4.50" (114,3 mm)	.32" (8,1 mm)	.46" (11,6 mm)	.063" (1,6 mm)	112-1332	112-1338
TITAN Hollow and Max Hollow						
3/4" (19,0 mm)	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9128	108-9139
3/4" (19,0 mm)	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9129	108-9141
3/4" (19,0 mm)	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9130	108-9143
3/4" (19,0 mm)	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9132	-
3/4" (19,0 mm)	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9133	108-9147
3/4" (19,0 mm)	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9134	108-9149
3/4" (19,0 mm)	6.50" (165,1 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9138	108-9135
3/4" (19,0 mm)	6.50" (165,1 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9136	108-9151
3/4" (19,0 mm)	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9137	108-9153
7/8" (22,2 mm)	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9190	-
7/8" (22,2 mm)	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9191	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9192	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9193	-
TITAN Hollow Extended Taper and Max Extended Taper						
3/4" (19,0 mm)	5.75" (146,0 mm)	.47" (11,9 mm)	.68" (17,3 mm)	.058" (1,5 mm)	114-0553	-
3/4" (19,0 mm)	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0551	114-0553
3/4" (19,0 mm)	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0550	-
TITAN Side Eject and Max Side Eject						
3/4" (19,0 mm)	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9159	108-9170
3/4" (19,0 mm)	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9160	108-9172
3/4" (19,0 mm)	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9161	108-9174
3/4" (19,0 mm)	5.75" (146,0 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9163	108-9176
3/4" (19,0 mm)	5.75" (146,0 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9164	108-9178
3/4" (19,0 mm)	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9165	108-9180
3/4" (19,0 mm)	6.50" (165,1 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9162	108-9166
3/4" (19,0 mm)	6.50" (165,1 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9167	108-9182
3/4" (19,0 mm)	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9168	108-9184
5/8" (15,9 mm)	4.50" (114,3 mm)	.43" (12,7 mm)	.56" (14,2 mm)	.058" (1,5 mm)	112-1303	-
7/8" (22,2 mm)	4.75" (120,6 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9194	-
7/8" (22,2 mm)	4.75" (120,6 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9195	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.51" (13,0 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9196	108-9188
7/8" (22,2 mm)	5.75" (146,0 mm)	.63" (16,0 mm)	.76" (19,3 mm)	.058" (1,5 mm)	108-9197	-
TITAN Side Eject Extended Taper and Extended Taper Max						
3/4" (19,0 mm)	5.75" (146,0 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0555	114-0557
3/4" (19,0 mm)	6.50" (165,1 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	114-0558	114-0560

QUICK REFERENCE

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
Toro Classic Hollow						
3/4" (19,0 mm)	4.75" (120,6 mm)	.40" (10,2 mm)	.50" (12,7 mm)	.049" (1,2 mm)	66-9140	-
3/4" (19,0 mm)	4.75" (120,6 mm)	.50" (12,7 mm)	.63" (15,9 mm)	.049" (1,2 mm)	59-3670	-
3/4" (19,0 mm)	5.75" (146,0 mm)	.51" (12,9 mm)	.63" (15,9 mm)	.058" (1,5 mm)	104-0984	-
3/4" (19,0 mm)	6.50" (165,1 mm)	.39" (9,9 mm)	.66" (16,8 mm)	.058" (1,5 mm)	105-1180	-
7/8" (22,2 mm)	4.75" (120,6 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	62-4600	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.60" (15,2 mm)	.75" (19,0 mm)	.065" (1,7 mm)	86-9720	-
TITAN Fairway						
3/4" (19,0 mm)	5.75" (146,0 mm)	.51" (12,9 mm)	.77" (19,6 mm)	.120" (3,0 mm)	104-9876	-
3/4" (19,0 mm)	5.75" (146,0 mm)	.51" (12,9 mm)	.88" (22,4 mm)	.120" (3,0 mm)	104-9875	-
7/8" (22,2 mm)	4.75" (120,6 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7941	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	92-7900	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.64" (16,1 mm)	1.0" (25,4 mm)	.120" (3,0 mm)	104-9877	-
TITAN HD Fairway						
3/4" (19,0 mm)	5.75" (146,0 mm)	.51 (12,95 mm)	.77" (19,6 mm)	.120" (3,0 mm)	108-9260	-
3/4" (19,0 mm)	5.75" (146,0 mm)	.51 (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	108-9261	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.122" (3,1 mm)	108-9264	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.64" (16,1 mm)	1.0" (25,4 mm)	.122" (3,1 mm)	108-9265	-
TITAN Split Tine						
3/4" (19,0 mm)	5.75" (146,0 mm)	.51 (12,95 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5121	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.64" (16,1 mm)	.88" (22,4 mm)	.120" (3,0 mm)	112-5122	-
7/8" (22,2 mm)	5.75" (146,0 mm)	.64" (16,1 mm)	.92" (23,4 mm)	.120" (3,0 mm)	112-5123	-
TITAN Solid Round						
1/2" (12,7 mm)	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	112-1347	-
1/2" (12,7 mm)	5.00" (127,0 mm)	-	.25" (6,3 mm)	-	112-1329	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9198	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9199	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.35" (8,9 mm)	-	108-9200	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.40" (10,2 mm)	-	108-9201	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9202	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.60" (15,2 mm)	-	108-9203	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.25" (6,3 mm)	-	108-9204	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.30" (7,6 mm)	-	108-9205	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.35" (8,9 mm)	-	108-9206	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.40" (10,2 mm)	-	108-9207	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.50" (12,7 mm)	-	108-9208	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.60" (15,2 mm)	-	108-9209	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9244	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.30" (7,6 mm)	-	108-9210	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.35" (8,9 mm)	-	108-9211	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.40" (10,2 mm)	-	108-9212	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.50" (12,7 mm)	-	108-9213	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.60" (15,2 mm)	-	108-9214	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9245	-
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.20" (5,1 mm)	-	108-9230	-
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.25" (6,3 mm)	-	108-9231	-
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.30" (7,6 mm)	-	108-9232	-
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.38" (9,7 mm)	-	108-9233	-
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.20" (5,1 mm)	-	108-9234	-
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.25" (6,3 mm)	-	108-9235	-
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.30" (7,6 mm)	-	108-9236	-
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.38" (9,7 mm)	-	108-9237	-
5/8" (15,9 mm)	4.50" (114,3 mm)	-	.63" (15,9 mm)	-	112-1348	-
7/8" (22,2 mm)	5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9246	-
7/8" (22,2 mm)	5.50" (139,7 mm)	-	.88" (22,2 mm)	-	108-9247	-
7/8" (22,2 mm)	6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9248	-
7/8" (22,2 mm)	6.50" (165,1 mm)	-	.88" (22,2 mm)	-	108-9249	-

QUICK REFERENCE

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
<i>TITAN Solid Slicing</i>						
1/2" (12,7 mm)	5.00" (127,0 mm)	-	.63" (15,9 mm)	-	112-5102	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.75" (19,0 mm)	-	108-9239	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9240	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9241	-
3/8" (9,5 mm)	5.00" (127,0 mm)	-	.63" (15,9 mm)	-	108-9238	-
5/8" (15,9 mm)	5.00" (127,0 mm)	-	.63" (15,9 mm)	-	112-5103	-
7/8" (22,2 mm)	5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9242	-
7/8" (22,2 mm)	6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9243	-
<i>TITAN Cross and Max Cross</i>						
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9221	-
3/4" (19,0 mm)	4.50" (114,3 mm)	-	.75" (19,0 mm)	-	108-9223	-
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.50" (12,7 mm)	-	108-9224	112-1313
3/4" (19,0 mm)	5.50" (139,7 mm)	-	.75" (19,0 mm)	-	108-9226	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.50" (12,7 mm)	-	108-9227	112-1314
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.62" (15,7 mm)	-	108-9228	-
3/4" (19,0 mm)	6.50" (165,1 mm)	-	.75" (19,0 mm)	-	108-9229	-
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.38" (9,5 mm)	-	108-9215	-
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.50" (12,7 mm)	-	108-9216	112-1310
3/8" (9,5 mm)	4.50" (114,3 mm)	-	.62" (15,7 mm)	-	108-9217	-
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.38" (9,5 mm)	-	108-9218	-
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.50" (12,7 mm)	-	108-9219	112-1311
3/8" (9,5 mm)	5.50" (139,7 mm)	-	.62" (15,7 mm)	-	108-9220	-
7/8" (22,2 mm)	5.50" (139,7 mm)	-	.88" (22,2 mm)	-	108-9259	-
<i>TITAN Needle</i>						
Needle	6.43" (163,3 mm)	-	.188" (4,8 mm)	-	100-3620	-
Needle	7.38" (187,45 mm)	-	.313" (7,9 mm)	-	100-3621	-
Needle	5.43" (137,9 mm)	-	5,0 mm	-	100-3319	-

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
<i>ProCore SR Series Deep Tine Aerators</i>						
5/16" (7,9 mm)	10.00" (254,0 mm)	-	.31" (7,9 mm)	-	SGS08313	-
5/16" (7,9 mm)	8.50" (215,9 mm)	-	.31" (7,9 mm)	-	SGS07313	-
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	-	139-8620	-
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	-	139-8624	-
12,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.81" (20,6 mm)	-	139-8613	-
12,0 mm	10.75" (273,1 mm)	-	.47" (12,0 mm)	-	SGS10504	-
12,0 mm	12.25" (311,2 mm)	-	.47" (12,0 mm)	-	SGS10500	-
12,0 mm	14.25" (361,9 mm)	-	.47" (12,0 mm)	-	SGS12500	-
12,0 mm	16.25" (412,8 mm)	-	.47" (12,0 mm)	-	SGS14500	-
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	-	139-8623	-
12,0 mm	7.00" (177,8 mm)	.52" (13,2 mm)	.69" (17,4 mm)	-	139-8614	-
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	-	139-8625	-
12,0 mm	7.00" (177,8 mm)	.56" (14,2 mm)	.81" (20,7 mm)	-	139-8615	-
12,0 mm	8.00" (203,2 mm)	-	.47" (12,0 mm)	-	SGS08500	-
18,0 mm	10.00" (254,0 mm)	.56" (14,2 mm)	.75" (19,0 mm)	-	139-8623	-
18,0 mm	10.00" (254,0 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	-	139-8617	-
18,0 mm	10.00" (254,0 mm)	.76" (19,3 mm)	1.00" (25,4 mm)	-	139-8619	-
18,0 mm	12.00" (304,8 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	-	139-8627	-
18,0 mm	12.25" (311,2 mm)	-	.71" (18,0 mm)	-	SGS10750	-
18,0 mm	12.50" (317,5 mm)	-	.88" (22,2 mm)	-	SGS10875	-
18,0 mm	14.00" (355,6 mm)	-	.88" (22,2 mm)	-	SGS12875	-
18,0 mm	14.25" (361,9 mm)	-	.71" (18,0 mm)	-	SGS12750	-
18,0 mm	16.00" (406,4 mm)	-	.88" (22,2 mm)	-	SGS14875	-
18,0 mm	16.25" (412,8 mm)	-	.71" (18,0 mm)	-	SGS14750	-
18,0 mm	8.00" (203,2 mm)	.74" (18,8 mm)	1.06" (26,9 mm)	-	139-8628	-
18,0 mm	8.00" (203,2 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	-	139-8622	--
3/8" (9,5 mm)	10.75" (273,1 mm)	-	.38" (9,5 mm)	-	SGS10374	-
3/8" (9,5 mm)	12.25" (311,2 mm)	-	.38" (9,5 mm)	-	SGS10375	-
3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	-	139-8618	-
3/8" (9,5 mm)	9.00" (228,6 mm)	-	.38" (9,5 mm)	-	SGS08375	-
7/8" (22,2 mm)	12.00" (304,8 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	-	139-8621	-
7/8" (22,2 mm)	12.50" (317,5 mm)	-	.88" (22,2 mm)	-	SGS10876	-
7/8" (22,2 mm)	14.00" (355,6 mm)	-	.88" (22,2 mm)	-	SGS12876	-
7/8" (22,2 mm)	17.88" (454,2 mm)	-	1.00" (25,4 mm)	-	SGS16100	-
7/8" (22,2 mm)	8.00" (203,2 mm)	.94" (23,9 mm)	1.31" (33,3 mm)	-	139-8626	-



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