



TORO®



TORO®
PROCORE®
648s

2025-2026 TORO® TITAN® TINES CATALOG



**Aerate with less mess
and get back to play faster.**

Whether you're coring to remove thatch or solid-tining to reduce surface disruption, TITAN® tines are engineered to improve playability and speed up recovery. With over 150 options, TITAN tines last up to 4x longer than standard tines — so you can keep pace with the demands of your turf and your players.

Always *solving*. Always *evolving*.



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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.

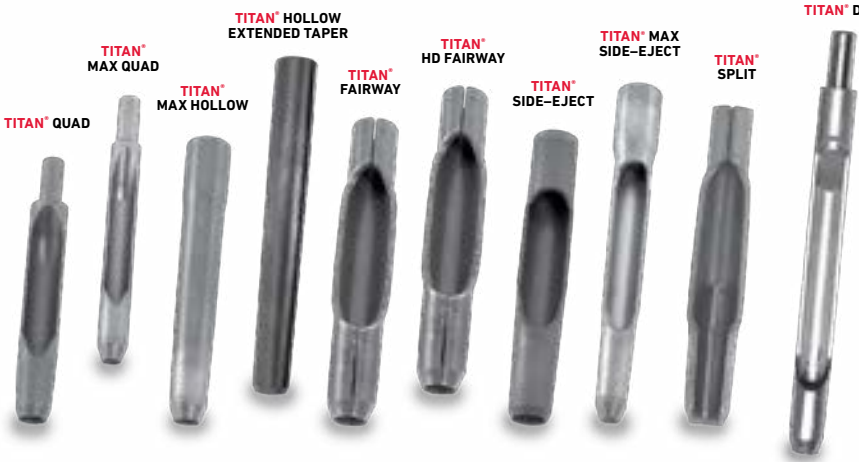
Jump-start your productivity with the TITAN QuickChange™ tine head. The patent-pending taper-lock design makes changing tines a snap. In fact, many users have reduced set-up time by up to 75%. TITAN QuickChange will help you get your aeration done FAST!



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

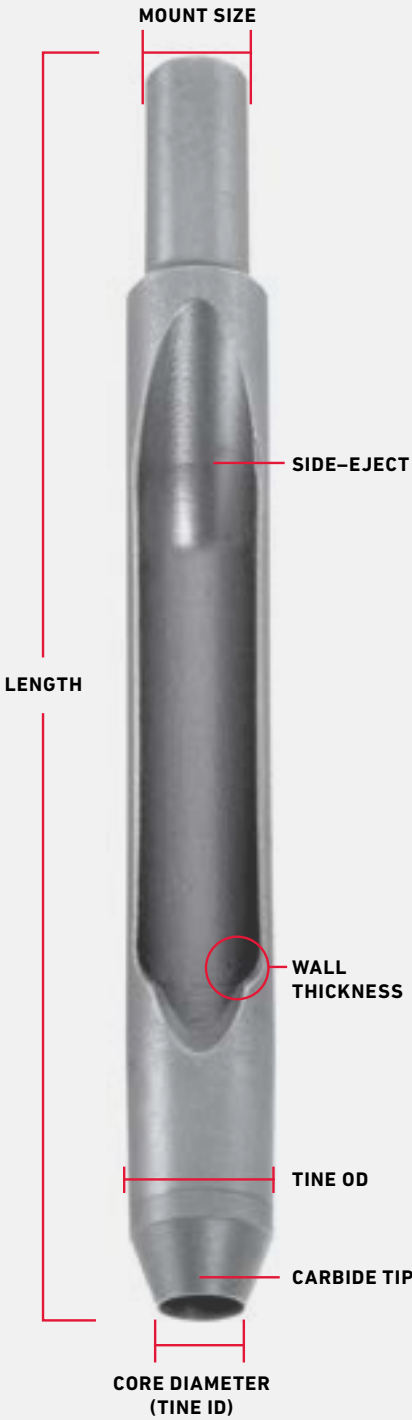
CORING TINES



SOLID TINES



SELECTION & MEASUREMENT

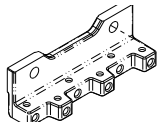


STANDARD SIZES

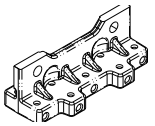
1/4 in (6.3 mm)	
3/8 in (9.5 mm)	
1/2 in (12.7 mm)	
5/8 in (15.9 mm)	
3/4 in (19 mm)	
7/8 in (22.2 mm)	

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.

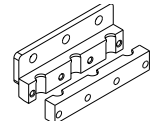
PROCORE 648/648s/864/1298 (See pages 9–18)



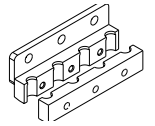
QUAD TINE HEAD (1x6)		
Tine Mount	3/8" (9.5 mm)	
Qty. of Tines	6	



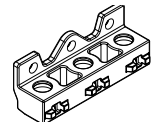
QUAD TINE HEAD (2x5)		
Tine Mount	3/8" (9.5 mm)	
Qty. of Tines	10	



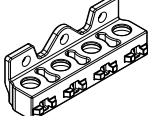
3/4" 3-TINE HEAD		
Tine Mount	3/4" (19 mm)	
Qty. of Tines	3	



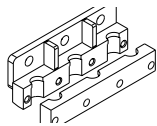
3/4" 4-TINE HEAD		
Tine Mount	3/4" (19 mm)	
Qty. of Tines	4	



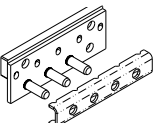
QUICKCHANGE 3-TINE HEAD		
Tine Mount	3/4" (19 mm) or 7/8" (22.2 mm)	
Qty. of Tines	3	



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

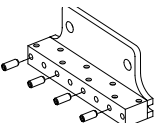


7/8" 3-TINE HD HEAD		
Tine Mount	7/8" (22.2 mm)	
Qty. of Tines	3	

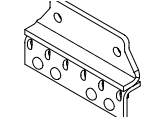


NEEDLE TINE HEAD		
Tine Mount	Needle	
Qty. of Tines	5	

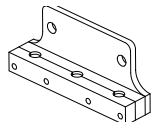
PROCORE 440/660/880 (See pages 19–22)



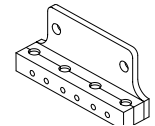
QUAD TINE HEAD (1x6)		
Tine Mount	3/8" (9.5 mm)	
Qty. of Tines	8	



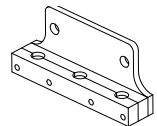
NEEDLE TINE HEAD		
Tine Mount	Needle	
Qty. of Tines	6	



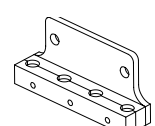
3/4" 3-TINE HEAD		
Tine Mount	3/4" (19 mm)	
Qty. of Tines	3	



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

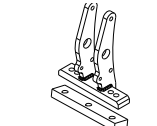


7/8" 3-TINE HEAD		
Tine Mount	7/8" (22.2 mm)	
Qty. of Tines	3	

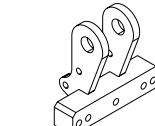


7/8" 4-TINE HEAD		
Tine Mount	7/8" (22.2 mm)	
Qty. of Tines	4	

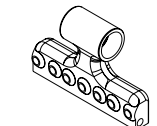
PROCORE SR SERIES (See pages 31–39)



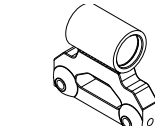
SR54-S / SR70-S		
Tine Mount	5/16" (7.9 mm) or 12.0 mm	
Qty. of Tines	3 or 4	



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	



- 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) 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)	1.5, 2, 2.5" (3,8; 5,1; 6,4 cm) 1.5, 2, 2.5" (3,8; 5,1; 6,4 cm) 1.5, 2, 2.5" (3,8; 5,1; 6,4 cm) 2, 2.5, 3, 3.5, 4, 4.5" (5,1; 6,4; 7,6; 8,9; 10,2; 11,4 cm) 2, 2.5, 3, 3.5, 4, 4.5" (5,1; 6,4; 7,6; 8,9; 10,2; 11,4 cm) 2, 2.5, 3, 3.5, 4, 4.5" (5,1; 6,4; 7,6; 8,9; 10,2; 11,4 cm) 2, 2.5, 3, 3.5, 4, 4.5" (5,1; 6,4; 7,6; 8,9; 10,2; 11,4 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		
Toro Fairway Aerator Models 09500, 09501, 09502	3/8" z Head	94-3420	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)

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

Percent Of Surface Area Affected And Amount Of Volume Removed

Core Diameter Depth"	Holes Per Square Foot (Metre) in Inches (Centimeters)																																	
	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)	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)			
.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%	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%			
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)	.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)	1.75 (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)			
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)	.97 (0.030)	1.05 (0.032)	1.09 (0.033)	1.25 (0.039)	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)	3.05 (0.067)	2.48 (0.077)	2.62 (0.081)	2.73 (0.085)	3.27 (0.102)	3.64 (0.114)	5.45 (0.173)
2.5 (6.4)	.21 (0.006)	.45 (0.014)	.51 (1.31)	.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)	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)	3.05 (0.067)	2.48 (0.077)	2.62 (0.081)	2.73 (0.085)	3.27 (0.102)	3.64 (0.114)	5.45 (0.173)			
3 (7.6)	.25 (0.008)	.55 (0.017)	.61 (1.55)	.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)	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)	3.49 (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)			
3.5 (8.9)	.29 (0.009)	.64 (0.020)	.72 (1.82)	.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)	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 (0.093)	3.44 (0.107)	3.67 (0.113)	3.82 (0.118)	4.58 (0.141)	5.09 (0.158)	7.64 (0.241)			
4 (10.2)	.33 (0.010)	.73 (0.022)	.82 (2.09)	.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)	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)			
.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%	1.31%	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%			
1.5 (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)	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 (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)	2.18 (0.068)	2.36 (0.071)	2.45 (0.075)	2.62 (0.080)	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)
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)	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 (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)	3.27 (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)			
3.5 (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)	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 (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)	4.36 (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)			
.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%	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%			
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)	2.91 (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)			
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)	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)			
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)	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)			
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)	3.74 (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)	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)			
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)	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)			
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)	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)			
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%	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%			
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)	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)			
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)	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)			
2.5 (6.4)	1.3 (0.040)	2.84 (0.088)	3.2 (0.098)	3.65 (0.112)	3.79 (0.117)	3.90 (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)	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												

PROCORE® 648/648s/864/1298



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	120-1051	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	120-1051	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

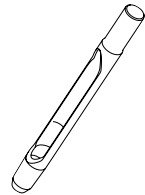
TINE HEADS		TINES REQ'D		TURF GUARDS		
Description	Part No.	Qty. 864	Qty. 1298	Part No.	Qty. 864	Qty. 1298
Quad Tine Head, 2 rows of 5 3/8" (9,5 mm) Mount	09736	80	120	120-1047	2	4
				120-1052	–	2
				120-1061	1	–
				120-1062	1	–
Quad Tine Head, 1 row of 6 3/8" (9,5 mm) Mount	09737	48	72	120-1050	2	4
				120-1053	–	2
				120-1063	1	–
				120-1064	1	–
4 Tine Titan QuickChange 3/4" (19,0 mm) or 7/8" (22,2 mm) Sleeve	09719	32	48	120-1045	2	4
				120-1046	–	2
				120-1059	1	–
				120-1060	1	–
3 Tine Titan QuickChange 3/4" (19,0 mm) or 7/8" (22,2 mm) Sleeve	09711	24	36	120-1044	2	4
				120-1051	–	2
				120-1057	1	–
				120-1058	1	–

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	2	4
				120-1052	–	2
				120-1061	1	–
				120-1062	1	–
3 Tine Head 3/4" (19,0 mm) Mount	09794	24	36	120-1044	2	4
				120-1051	–	2
				120-1057	1	–
				120-1058	1	–
4 Tine Head 3/4" (19,0 mm) Mount	09796	32	48	120-1045	2	4
				120-1046	–	2
				120-1059	1	–
				120-1060	1	–
3 Tine Head HD 7/8" (22,2 mm) Mount	09797	24	36	120-1044	2	4
				120-1051	–	2
				120-1057	1	–
				120-1058	1	–

PROCORE® 648/648s/864/1298

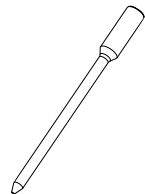
3/8" (9.5 MM) MOUNT

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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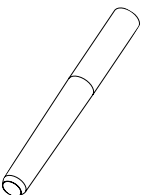
TITAN CROSS



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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TITAN MAX CROSS

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112-1310	–
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112-1311	–
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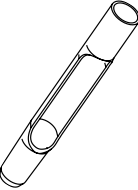
TITAN® Max

108-9139	.28" (7,1 mm)
108-9141	.38" (9,7 mm)
108-9143	.48" (12,2 mm)
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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)

TITAN MAX HOLLOW EXT. TAPER

114-0553	.47" (12,0 mm)
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3/4" (19.05 MM) MOUNT – CONTINUED

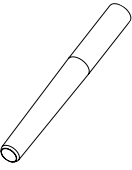
	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN SIDE EJECT					
	4.75" (120,6 mm)	.28" (7,1 mm)	.46" (11,7 mm)	.058" (1,5 mm)	108-9159
	4.75" (120,6 mm)	.41" (10,3 mm)	.56" (14,2 mm)	.058" (1,5 mm)	108-9160
	4.75" (120,6 mm)	.53" (13,4 mm)	.66" (16,8 mm)	.058" (1,5 mm)	108-9161
	5.75" (146,0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

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
TITAN MAX SIDE EJECT	
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)

TITAN MAX SIDE EJECT EXT. TAPER	
114-0557	.47" (12,0 mm)
114-0560	.47" (12,0 mm)

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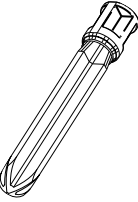
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3/4" (19.05 MM) MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
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
	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108-9226
	6.50" (165,1 mm)	–	.50" (12,7 mm)	–	108-9227
	6.50" (165,1 mm)	–	.62" (15,7 mm)	–	108-9228
	6.50" (165,1 mm)	–	.75" (19,0 mm)	–	108-9229



TITAN® Max

Part Number	Titan Max Core ID
TITAN MAX SIDE EJECT	
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TITAN MAX CROSS	
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112-1313	–
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112-1314	–
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PROCORE® 648/648s/864/1298

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
	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 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
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
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 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
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
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
TITAN CROSS					
	5.50" (139,7 mm)	—	.88" (22,2 mm)	—	108-9259

NEEDLE TIME

	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

TITAN® Max[illegible]

TURF AERATOR 686/687



TURF AERATOR 686/687

	Part Number	Size	Quantity Required
SPOON-OPEN			
	108-9296	1/2" (12,7 mm)	96 tines
	108-9298	3/4" (19,0 mm)	96 tines
SPOON-CLOSED			
	108-9297	1/2" (12,7 mm)	96 tines
	108-9299	3/4" (19,0 mm)	96 tines

PROCORE® SR SERIES



The ProCore SR Series 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	–	–

5/16" (12 MM) MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
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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
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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
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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

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)

SOLID TINES

18,0 mm	12.25" (311,2 mm)	–	18,0 mm	SGS10750	–	–
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SR 54-S ADAPTER HEAD KIT 117–7195 (12 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

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)

CORING TINES

3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	–	SGT05550
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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	–	–
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)

CORING TINES

3/8" (9,5 mm)	5.50" (139,7 mm)	.38" (9,5 mm)	.50" (12,7 mm)	139-8618	–	SGT05550
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SOLID TINES

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	–	–

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	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
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	–	–

SR70 ADAPTER HEAD KIT 117–7193 (48 TINES)						
CORING TINES						
3/8" (9,5 mm)	5.50" (139,7 mm)	–	.50" (12,7 mm)	139-8618	–	–
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	–	–
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
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						
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)						
SOLID TINES						
18,0 mm	12.25" (311,2 mm)	–	18,0 mm	SGS10750	–	–

SR70-S ADAPTER HEAD KIT 117–7195 (16 TINES)						
CORING TINES						
12,0 mm	7.00" (177,8 mm)	.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)	–	.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)						
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)	–	.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)						
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						
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	–	–

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 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

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)	–	.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 time.

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 time.

ADAPTER HEAD KIT 117–7198 – CONTINUED

	Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
SOLID TINES							
	12,0 mm	8.00" (203,2 mm)	–	12,0 mm	SGS08500	–	–
	12,0 mm	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					TITAN MAX QUAD			
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					TITAN MAX CROSS			
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					TITAN MAX QUAD			
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	
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					TITAN MAX HOLLOW			
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					TITAN MAX HOLLOW EXT. TAPER			
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					TITAN MAX SIDE EJECT			
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					TITAN MAX SIDE EJECT EXT. TAPER			
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)	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					TITAN MAX 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					TITAN MAX 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					TITAN MAX 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
TITAN Solid Slicing						
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	–

TITAN Cross and Max Cross

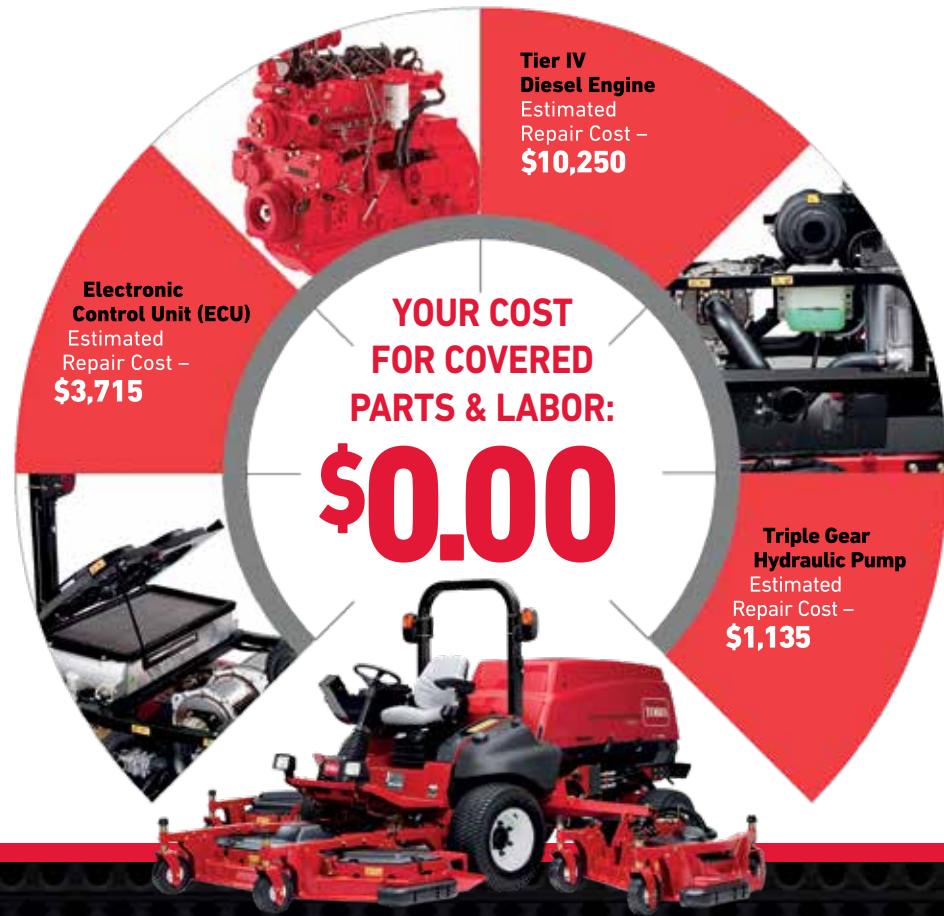
3/4" (19,0 mm)	4.50" (114,3 mm)	–	.50" (12,7 mm)	–	108–9221	–
3/4" (19,0 mm)	4.50" (114,3 mm)	–	.75" (19,0 mm)	–	108–9223	–
3/4" (19,0 mm)	5.50" (139,7 mm)	–	.50" (12,7 mm)	–	108–9224	112–1313
3/4" (19,0 mm)	5.50" (139,7 mm)	–	.75" (19,0 mm)	–	108–9226	–
3/4" (19,0 mm)	6.50" (165,1 mm)	–	.50" (12,7 mm)	–	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	–

TITAN Needle

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	–

QUICK REFERENCE

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
ProCore SR Series Deep Tine Aerators						
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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