



TORO® TITAN® TINES CATALOG | 2017-2018



PLAN YOUR AERATION SCHEDULE TODAY

ORDER YOUR TINES FROM YOUR LOCAL TORO DISTRIBUTOR TODAY
TO MAKE SURE YOU'RE READY FOR YOUR AERATION SCHEDULE



To order Tines call us today.

TABLE OF CONTENTS

The TORO logo is a red rounded rectangle with the word "TORO" in white, bold, sans-serif capital letters. A small registered trademark symbol (®) is located to the upper right of the letter "O".

INTRODUCTION	1-2
A TINE TO FIT EVERY APPLICATION	2
SELECTION & MEASUREMENT GUIDE	3
TINE HEAD IDENTIFICATION GUIDE	4
AERATION EVALUATION GUIDE	5-8
PROCORE® 648	9-13
PROCORE 864/1298	14-18
PROCORE 440/660/880	19-22
GREENS AERATOR	23-25
FAIRWAY AERATOR	26-29
TURF AERATOR 686/687	30
PROCORE SR SERIES	31-39
SR48	32
SR54	33
SR54-S	34
SR70	35
SR70-S	36
SR72	37
SR75	38-39
TITAN® TINE CONVERSION SLEEVES	40
TITAN TINES FOR COMPETITIVE MODELS	40-44
QUICK REFERENCE	47-50

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.

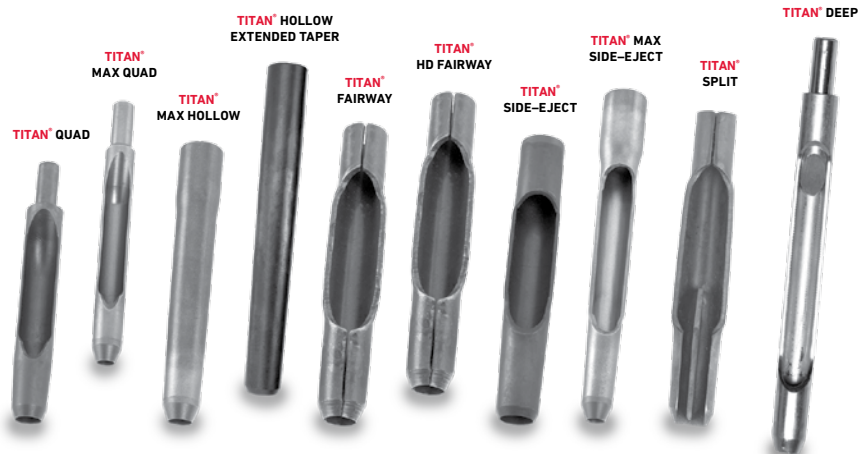
Jump-start your productivity with the TITAN QuickChange™ tine head. The patent-pending taper-lock design makes changing tines a snap. In fact, many users have reduced set-up time by up to 75%. TITAN QuickChange will help you get your aeration done FAST!



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
- A tough design, maintaining consistent aeration depth and reducing costly change outs
- 4130/4140 strong alloy combined with unique heat treat process, maximizing strength and resistance to wear
- Durable brazed tip joints for strong bond and resistance to separation and breakage (TITAN Max)

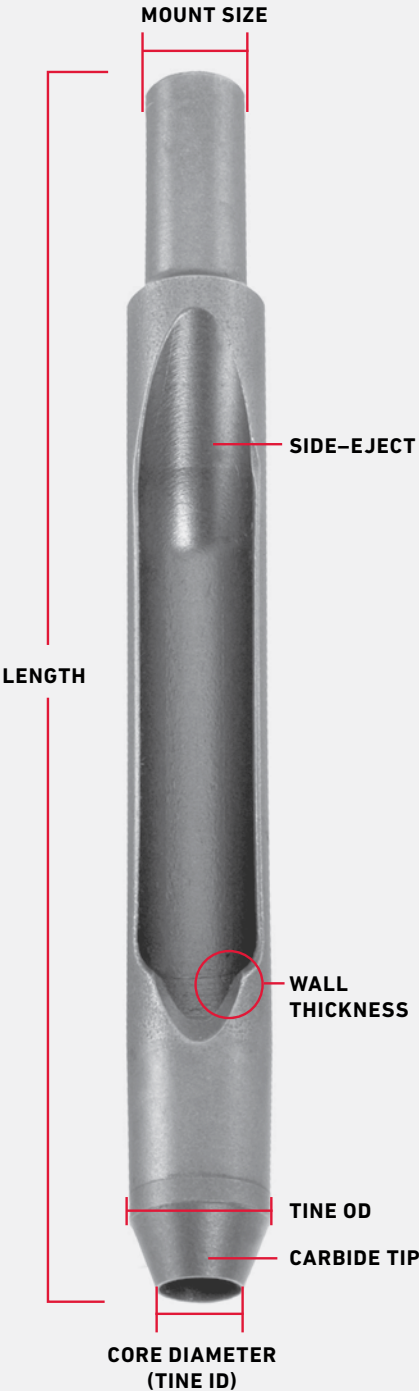
CORING TINES



SOLID TINES



SELECTION & MEASUREMENT



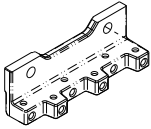
U.S. STANDARD SIZES

6.3 mm (.250")	
9.5 mm (.375")	
12.7 mm (.500")	
15.9 mm (.625")	
19.0 mm (.750")	
22.2 mm (.875")	

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.

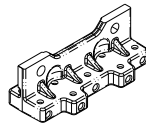
TINE HEAD IDENTIFICATION GUIDE

PROCORE 648/864/1298 (See pages 9–18)



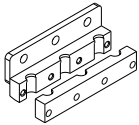
QUAD TINE HEAD (1x6)

Tine Mount	9.5 mm (.375")
Qty. of Tines	6



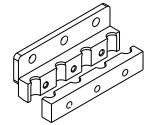
QUAD TINE HEAD (2x5)

Tine Mount	9.5 mm (.375")
Qty. of Tines	10



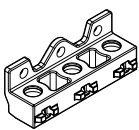
3/4" 3-TINE HEAD

Tine Mount	19.0 mm (.750")
Qty. of Tines	3



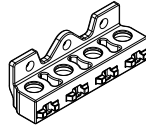
3/4" 4-TINE HEAD

Tine Mount	19.0 mm (.750")
Qty. of Tines	4



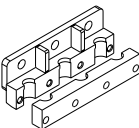
QUICKCHANGE 3-TINE HEAD

Tine Mount	19.0 mm (.750") or 22.2 mm (.875")
Qty. of Tines	3



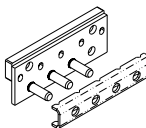
QUICKCHANGE 4-TINE HEAD

Tine Mount	19.0 mm (.750") or 22.2 mm (.875")
Qty. of Tines	4



7/8" 3-TINE HD HEAD

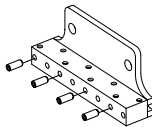
Tine Mount	22.2 mm (.875")
Qty. of Tines	3



NEEDLE TINE HEAD

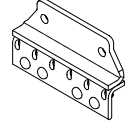
Tine Mount	Needle
Qty. of Tines	5

PROCORE 440/660/880 (See pages 19–22)



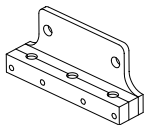
QUAD TINE HEAD (1x6)

Tine Mount	9.5 mm (.375")
Qty. of Tines	8



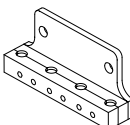
NEEDLE TINE HEAD

Tine Mount	Needle
Qty. of Tines	6



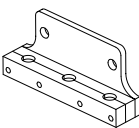
3/4" 3-TINE HEAD

Tine Mount	19.0 mm (.750")
Qty. of Tines	3



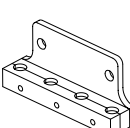
3/4" 4-TINE HEAD

Tine Mount	19.0 mm (.750")
Qty. of Tines	4



7/8" 3-TINE HEAD

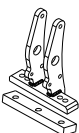
Tine Mount	22.2 mm (.875")
Qty. of Tines	3



7/8" 4-TINE HEAD

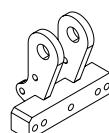
Tine Mount	22.2 mm (.875")
Qty. of Tines	4

PROCORE SR SERIES (See pages 31–39)



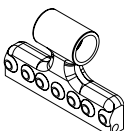
SR54-S / SR70-S

Tine Mount	7.9 mm (.3125") or 12.0 mm (.472")
Qty. of Tines	3 or 4



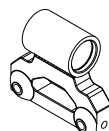
SR54 / SR70

Tine Mount	7.9 mm (.3125") or 12.0 mm (.472")
Qty. of Tines	2 or 3



SR48 / SR72

Tine Mount	7.9 mm (.3125") or 12.0 mm (.472")
Qty. of Tines	3 or 4



SR75

Tine Mount	7.9 mm (.3125") or 12.0 mm (.472")
Qty. of Tines	2 or 3

AERATION EVALUATION GUIDE

WITH TINE SELECTION CHART



TINE SELECTION CHART BENEFITS:

- 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.

HELPING GOLF COURSE SUPERINTENDENTS AND GROUNDSKEEPERS EXCEL.

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!



Find Your Model Number

MODEL CONFIGURATION				
Product	Description No.	No.	Lateral Options (cm)	Forward Spacing (cm)
ProCore 648 Model 09200 ProCore 864/1298 Models 09715, 09716	Needle Tine Head	09739	4,1	3,8; 5,1; 6,4
	Quad Tine Head, 2 rows of 5	09736	4,1	6,4
	Quad Tine Head, 1 row of 6	09737	3,3	3,8; 5,1; 6,4; 7,6
	3 Tine, 19,0 mm (.750") Mount Head	09794	6,6	3,8; 5,1; 6,4; 7,6
	4 Tine, 19,0 mm (.750") Mount Head	09796	5,1	3,8; 5,1; 6,4; 7,6
	3 Tine HD, 22,2 mm (.875") Mount Head	09797	6,6	3,8; 5,1; 6,4; 7,6
	4 Tine Titan QuickChange	09719	5,1	3,8; 5,1; 6,4; 7,6
	3 Tine Titan QuickChange	09711	6,6	3,8; 5,1; 6,4; 7,6
ProCore 440/660/880 Models 09701, 09702	Needle Tine Head 660/880	09720	3,0	3,8; 5,1; 6,4
	Needle Tine Head 660/880	09720	3,0	3,8; 5,1; 6,4
	Quad Tine Head	09721	3,0	3,8; 5,1; 6,4
	3 Tine, 19,0 mm (.750") Mount Head	09722	8,1	5,1; 6,4; 7,6; 8,9; 10,2; 11,4
	4 Tine, 19,0 mm (.750") Mount Head	09723	6,1	5,1; 6,4; 7,6; 8,9; 10,2; 11,4
	3 Tine, 22,2 mm (.875") Mount Head	09733	8,1	5,1; 6,4; 7,6; 8,9; 10,2; 11,4
	4 Tine, 22,2 mm (.875") Mount Head	09734	6,1	5,1; 6,4; 7,6; 8,9; 10,2; 11,4
Toro Greens Aerator Models 09110, 09120	19,0 mm (.750") Head	59-2500	5,7	6,4
	22,2 mm (.875") Head	62-4610		
	Needle Head	94-3421		
	9,5 mm (.375") Head	94-3420		
Toro Fairway Aerator Models 09500, 09501, 09502			8,9	7,6; 15,2
			13,3	7,6; 15,2

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

AERATION EVALUATION GUIDE
WITH TINE SELECTION CHART

STEP ONE
DETERMINE THE TOTAL SURFACE AREA AFFECTED AND AMOUNT OF MATERIAL REMOVED.

The first step is to find holes per square metre.
If you know your lateral and forward spacing, find holes per square foot on the **Holes Per Square Metre** table.

EXAMPLE:

Lateral Spacing = 5,1 cm
Forward Spacing = 5,1 cm
Holes Per Square Metre = 384,5

If you are not sure of your forward and lateral spacing, but know your aerator model number go to the **Pick A Model** table and pick your spacing options. This table will also help you determine the proper turf holder based on your tine configuration.

ALL MODELS	FORWARD SPACING (CM)								
	2,5	3,8	5,1	6,4	7,6	8,9	10,2	11,4	15,2
LATERAL SPACING (CM)	HOLES PER SQUARE METRE								
3,0	1333,3	877,2	653,6	520,8	438,6	374,5	326,8	292,4	-
3,3	-	797,4	594,2	473,5	398,7	-	-	-	-
4,1	-	-	-	381,1	-	-	-	-	-
5,1	784,3	516,0	384,5	306,4	258,0	-	-	-	-
5,7	-	-	-	274,1	-	-	-	-	-
6,1	655,7	431,4	321,4	256,1	215,7	184,2	160,7	143,8	-
6,4	625,0	411,2	306,4	244,1	205,6	-	-	-	-
8,1	493,8	324,9	242,1	192,9	162,4	138,7	121,0	108,3	-
8,9	-	-	-	-	147,8	-	-	-	-
13,3	-	-	-	-	-	-	-	-	49,5

Percent Of Surface Area Affected And Amount Of Volume Removed

															Holes Per
Core Diameter (cm) Depth*	49,5	108,3	121,0	138,7	143,8	147,8	162,4	184,2	192,9	205,6	215,7	242,1	244,1	256,1	
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%	0,49%	0,52%	
3,8	0,004	0,008	0,009	0,011	0,011	0,011	0,013	0,014	0,015	0,016	0,017	0,019	0,019	0,020	
5,1	0,005	0,011	1,04	0,014	0,015	0,015	0,017	0,019	0,020	0,021	0,022	0,025	0,025	0,026	
6,4	0,006	0,014	1,31	0,018	0,019	0,019	0,021	0,024	0,025	0,027	0,028	0,031	0,032	0,033	
7,6	0,008	0,017	1,55	0,021	0,022	0,023	0,025	0,028	0,030	0,032	0,033	0,037	0,038	0,039	
8,9	0,009	0,020	1,82	0,025	0,026	0,027	0,029	0,033	0,035	0,037	0,039	0,044	0,044	0,046	
10,2	0,010	0,022	2,09	0,029	0,030	0,031	0,034	0,038	0,040	0,043	0,045	0,050	0,050	0,053	
0,8	0,23%	0,49%	0,55%	0,63%	0,66%	0,67%	0,74%	0,84%	0,88%	0,94%	0,98%	1,10%	1,11%	1,17%	
3,8	0,009	0,019	0,021	0,024	0,025	0,026	0,028	0,032	0,033	0,036	0,037	0,042	0,042	0,044	
5,1	0,012	0,025	0,028	0,032	0,033	0,034	0,038	0,043	0,045	0,048	0,050	0,056	0,057	0,060	
6,4	0,014	0,032	0,035	0,040	0,042	0,043	0,047	0,054	0,056	0,060	0,063	0,071	0,071	0,075	
7,6	0,017	0,038	0,042	0,048	0,050	0,051	0,056	0,064	0,067	0,071	0,075	0,084	0,085	0,089	
8,9	0,020	0,044	0,049	0,056	0,058	0,060	0,066	0,075	0,078	0,083	0,088	0,098	0,099	0,104	
10,2	0,023	0,050	0,056	0,065	0,067	0,069	0,076	0,086	0,090	0,096	0,100	0,113	0,114	0,119	
1,0	0,40%	0,88%	0,98%	1,12%	1,17%	1,20%	1,32%	1,49%	1,56%	1,67%	1,75%	1,96%	1,98%	2,08%	
3,8	0,015	0,033	0,037	0,043	0,044	0,046	0,050	0,057	0,059	0,063	0,066	0,075	0,075	0,079	
5,1	0,020	0,045	0,050	0,057	0,059	0,061	0,067	0,076	0,080	0,085	0,089	0,100	0,101	0,106	
6,4	0,026	0,056	0,063	0,072	0,075	0,077	0,084	0,096	0,100	0,107	0,112	0,126	0,127	0,133	
7,6	0,030	0,067	0,075	0,085	0,089	0,091	0,100	0,113	0,119	0,127	0,133	0,149	0,150	0,158	
8,9	0,036	0,078	0,087	0,100	0,104	0,107	0,117	0,133	0,139	0,148	0,156	0,175	0,176	0,185	
10,2	0,041	0,090	0,100	0,115	0,119	0,122	0,134	0,152	0,160	0,170	0,178	0,200	0,202	0,212	
1,3	0,63%	1,37%	1,53%	1,76%	1,82%	1,87%	2,06%	2,33%	2,44%	2,60%	2,73%	3,07%	3,09%	3,24%	
3,8	0,024	0,052	0,058	0,067	0,069	0,071	0,078	0,089	0,093	0,099	0,104	0,117	0,118	0,123	
5,1	0,032	0,070	0,078	0,090	0,093	0,096	0,105	0,119	0,125	0,133	0,139	0,156	0,158	0,165	
6,4	0,040	0,088	0,098	0,112	0,117	0,120	0,132	0,149	0,156	0,167	0,175	0,196	0,198	0,208	
7,6	0,048	0,104	0,117	0,134	0,138	0,142	0,156	0,177	0,186	0,198	0,208	0,233	0,235	0,247	
8,9	0,056	0,122	0,136	0,156	0,162	0,167	0,183	0,208	0,217	0,232	0,243	0,273	0,275	0,289	
10,2	0,064	0,140	0,156	0,179	0,186	0,191	0,210	0,238	0,249	0,266	0,279	0,313	0,315	0,331	
1,5	0,90%	1,98%	2,21%	2,53%	2,62%	2,70%	2,96%	3,36%	3,52%	3,75%	3,93%	4,42%	4,45%	4,67%	
3,8	0,034	0,075	0,084	0,096	0,100	0,102	0,113	0,128	0,134	0,143	0,150	0,168	0,169	0,178	
5,1	0,046	0,101	0,113	0,129	0,134	0,138	0,151	0,171	0,179	0,191	0,201	0,225	0,227	0,238	
6,4	0,058	0,126	0,141	0,162	0,168	0,173	0,190	0,215	0,225	0,240	0,252	0,283	0,285	0,299	
7,6	0,069	0,150	0,168	0,192	0,199	0,205	0,225	0,255	0,267	0,285	0,299	0,336	0,338	0,355	
8,9	0,080	0,176	0,197	0,225	0,233	0,240	0,264	0,299	0,313	0,334	0,350	0,393	0,396	0,416	
10,2	0,092	0,201	0,225	0,258	0,268	0,275	0,302	0,343	0,359	0,383	0,401	0,450	0,454	0,477	
1,8	1,23%	2,69%	3,01%	3,44%	3,57%	3,67%	4,03%	4,57%	4,79%	5,10%	5,36%	6,01%	6,06%	6,36%	
7,6	0,093	0,204	0,228	0,262	0,271	0,279	0,307	0,348	0,364	0,388	0,407	0,457	0,461	0,483	
8,9	0,109	0,239	0,267	0,307	0,318	0,327	0,359	0,407	0,426	0,454	0,477	0,535	0,539	0,566	
10,2	0,125	0,274	0,307	0,351	0,364	0,374	0,411	0,466	0,489	0,521	0,546	0,613	0,618	0,649	
11,4	0,140	0,307	0,343	0,393	0,407	0,418	0,460	0,521	0,546	0,582	0,611	0,685	0,691	0,725	
12,7	0,156	0,341	0,382	0,437	0,453	0,466	0,512	0,581	0,608	0,648	0,680	0,763	0,770	0,808	

* 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.

EXAMPLE:

Holes Per Square Metre = 384,5

Core Diameter = 0,8 cm

Depth = 7,6 cm

Percent Surface Area Affected = 1,79%

Volume Removed = 0,133 cubic metres per 100 square metres

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

Square Metre																
274,1	292,4	306,4	321,4	374,5	384,5	411,2	431,4	473,5	493,8	516,0	594,2	625,0	655,7	784,3	877,2	1333,3
0,56%	0,59%	0,62%	0,65%	0,76%	0,78%	0,83%	0,87%	0,96%	1,00%	1,05%	1,20%	1,27%	1,33%	1,59%	1,78%	2,70%
0,021	0,023	0,024	0,025	0,029	0,030	0,032	0,033	0,036	0,038	0,040	0,046	0,048	0,051	0,060	0,068	0,103
0,028	0,030	0,032	0,033	0,039	0,040	0,043	0,045	0,049	0,051	0,053	0,061	0,065	0,068	0,081	0,091	0,138
0,036	0,038	0,040	0,042	0,049	0,050	0,053	0,056	0,061	0,064	0,067	0,077	0,081	0,085	0,102	0,114	0,173
0,042	0,045	0,047	0,050	0,058	0,059	0,063	0,066	0,073	0,076	0,079	0,092	0,096	0,101	0,121	0,135	0,205
0,049	0,053	0,055	0,058	0,068	0,069	0,074	0,078	0,085	0,089	0,093	0,107	0,113	0,118	0,141	0,158	0,241
0,057	0,060	0,063	0,066	0,077	0,079	0,085	0,089	0,098	0,102	0,107	0,123	0,129	0,136	0,162	0,181	0,276
1,25%	1,33%	1,40%	1,47%	1,71%	1,79%	1,88%	1,97%	2,16%	2,25%	2,35%	2,71%	2,85%	2,99%	3,58%	4,00%	6,08%
0,048	0,051	0,053	0,056	0,065	0,067	0,071	0,075	0,082	0,086	0,089	0,103	0,108	0,114	0,136	0,152	0,231
0,064	0,068	0,071	0,075	0,087	0,089	0,096	0,100	0,110	0,115	0,120	0,138	0,145	0,153	0,182	0,204	0,310
0,080	0,085	0,089	0,094	0,109	0,112	0,120	0,126	0,138	0,144	0,151	0,173	0,182	0,191	0,229	0,256	0,389
0,095	0,101	0,106	0,111	0,130	0,133	0,143	0,150	0,164	0,171	0,179	0,206	0,217	0,227	0,272	0,304	0,462
0,111	0,119	0,124	0,130	0,152	0,156	0,167	0,175	0,192	0,200	0,209	0,241	0,254	0,266	0,318	0,356	0,541
0,128	0,136	0,143	0,150	0,174	0,179	0,191	0,201	0,220	0,230	0,240	0,276	0,291	0,305	0,365	0,408	0,620
2,22%	2,37%	2,48%	2,61%	3,04%	3,12%	3,33%	3,50%	3,84%	4,00%	4,18%	4,82%	5,07%	5,32%	6,36%	7,11%	10,81%
0,084	0,090	0,094	0,099	0,115	0,118	0,127	0,133	0,146	0,152	0,159	0,183	0,193	0,202	0,242	0,270	0,411
0,113	0,121	0,127	0,133	0,155	0,159	0,170	0,178	0,196	0,204	0,213	0,246	0,258	0,271	0,324	0,363	0,551
0,142	0,152	0,159	0,167	0,194	0,199	0,213	0,224	0,246	0,256	0,268	0,308	0,324	0,340	0,407	0,455	0,692
0,169	0,180	0,189	0,198	0,231	0,237	0,253	0,266	0,292	0,304	0,318	0,366	0,385	0,404	0,483	0,540	0,822
0,198	0,211	0,221	0,232	0,270	0,277	0,297	0,311	0,342	0,356	0,372	0,429	0,451	0,473	0,566	0,633	0,962
0,227	0,242	0,253	0,266	0,310	0,318	0,340	0,357	0,392	0,408	0,427	0,491	0,517	0,542	0,549	0,725	1,103
3,47%	3,70%	3,88%	4,07%	4,74%	4,87%	5,21%	5,46%	6,00%	6,26%	6,54%	7,53%	7,92%	8,31%	9,94%	11,11%	16,89%
0,132	0,141	0,147	0,155	0,180	0,185	0,198	0,208	0,228	0,238	0,248	0,286	0,301	0,316	0,378	0,422	0,642
0,177	0,189	0,198	0,208	0,242	0,248	0,266	0,279	0,306	0,319	0,333	0,384	0,404	0,424	0,507	0,567	0,861
0,222	0,237	0,248	0,261	0,304	0,312	0,333	0,350	0,384	0,400	0,418	0,482	0,507	0,532	0,636	0,711	1,081
0,264	0,282	0,295	0,309	0,361	0,370	0,396	0,415	0,456	0,475	0,497	0,572	0,602	0,631	0,755	0,845	1,284
0,309	0,330	0,345	0,362	0,422	0,433	0,464	0,486	0,534	0,557	0,582	0,670	0,705	0,739	0,884	0,989	1,503
0,354	0,378	0,396	0,415	0,484	0,497	0,531	0,557	0,612	0,638	0,667	0,768	0,808	0,847	1,013	1,133	1,723
5,00%	5,33%	5,59%	5,86%	6,83%	7,01%	7,50%	7,87%	8,64%	9,01%	9,41%	10,84%	11,40%	11,96%	14,31%	16,00%	24,32%
0,190	0,203	0,212	0,223	0,260	0,267	0,285	0,299	0,328	0,342	0,358	0,412	0,433	0,455	0,544	0,608	0,924
0,255	0,272	0,285	0,299	0,348	0,358	0,383	0,401	0,440	0,459	0,480	0,553	0,581	0,610	0,730	0,816	1,204
0,320	0,341	0,358	0,375	0,437	0,449	0,480	0,504	0,553	0,577	0,602	0,694	0,730	0,766	0,916	1,024	1,557
0,380	0,405	0,425	0,446	0,519	0,533	0,570	0,598	0,656	0,685	0,715	0,824	0,866	0,909	1,087	1,216	1,848
0,445	0,475	0,497	0,522	0,608	0,624	0,668	0,700	0,769	0,802	0,838	0,965	1,015	1,065	1,273	1,424	2,165
0,510	0,544	0,570	0,598	0,697	0,715	0,765	0,803	0,881	0,919	0,960	1,106	1,163	1,220	1,459	1,632	2,481
6,81%	7,26%	7,61%	7,98%	9,30%	9,55%	10,21%	10,71%	11,76%	12,26%	12,81%	14,75%	15,52%	16,28%	19,47%	21,78%	33,10%
0,517	0,552	0,578	0,607	0,707	0,725	0,776	0,814	0,893	0,932	0,974	1,121	1,179	1,237	1,480	1,655	2,516
0,606	0,646	0,677	0,710	0,828	0,850	0,909	0,953	1,046	1,091	1,140	1,313	1,381	1,449	1,733	1,938	2,946
0,694	0,741	0,776	0,814	0,949	0,974	1,041	1,093	1,199	1,251	1,307	1,505	1,583	1,661	1,986	2,222	3,377
0,776	0,828	0,867	0,910	1,060	1,088	1,164	1,221	1,340	1,398	1,461	1,682	1,769	1,856	2,220	2,483	3,774
0,864	0,922	0,966	1,014	1,181	1,212	1,297	1,360	1,493	1,557	1,627	1,874	1,971	2,068	2,473	2,766	4,204

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

Higher Risk Of Turf Damage

Percent Of Surface Area Affected

2016-17 TORO® TITAN® TINES | TORO.COM

- 8 -

PROCORE® 648



FEATURES & BENEFITS

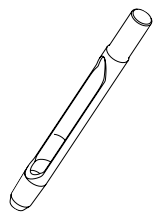
- 122cm (48") wide aeration swath
- TrueCore™ ground following system
- Inside wheel placement
- Precision balanced head drive
- RotaLink™ tine guide mechanism
- Series/Parallel 3-wheel drive



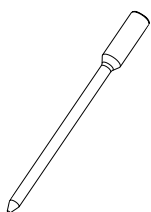
The ProCore 648 is an innovative walking aerator from Toro. The rear wheels are within the 122cm (48") aeration swath of the machine so the tires are not running over freshly aerated turf. This eliminates the problem of smashing the cores into the holes, preventing topdressing from filling the holes. And easier cleanup produces a savings of time and labor.

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" MOUNT
TITAN QUAD


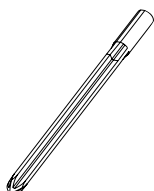
Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
114,3 mm (4.50")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9104
114,3 mm (4.50")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9105
114,3 mm (4.50")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9106
114,3 mm (4.50")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9293
127,0 mm (5.00")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9108
127,0 mm (5.00")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9109
127,0 mm (5.00")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9110
127,0 mm (5.00")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9294
139,7 mm (5.50")	10,3 mm (.406")	14,7 mm (.580")	1,6 mm (.063")	108-9290

TITAN SOLID ROUND


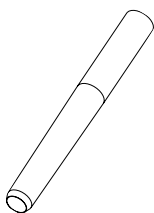
114,3 mm (4.50")	N/A	5,1 mm (.200")	N/A	108-9230
114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9231
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9232
114,3 mm (4.50")	N/A	9,7 mm (.380")	N/A	108-9233
139,7 mm (5.50")	N/A	5,1 mm (.200")	N/A	108-9234
139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9235
139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9236
139,7 mm (5.50")	N/A	9,7 mm (.380")	N/A	108-9237

TITAN SOLID SLICING

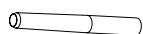

127,0 mm (5.00")	N/A	15,9 mm (.625")	N/A	108-9238
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TITAN CROSS


114,3 mm (4.50")	N/A	9,5 mm (.375")	N/A	108-9215
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9216
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9217
139,7 mm (5.50")	N/A	9,5 mm (.375")	N/A	108-9218
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9219
139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9220

3/4" MOUNT
TITAN HOLLOW


120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9128
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9129
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9130
146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9132
146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9133
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9134
165,1 mm (6.50")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9138
165,1 mm (6.50")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9136
165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9137

TITAN HOLLOW EXT. TAPER


146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0551
165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0550

TITAN® Max

Part Number	Titan Max Core ID
108-9112	5,8 mm (.230")
108-9114	7,1 mm (.280")
108-9116	9,7 mm (.380")
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108-9120	5,8 mm (.230")
108-9122	7,1 mm (.280")
108-9124	9,7 mm (.380")
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CROSS MAX

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112-1310	—
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112-1311	—
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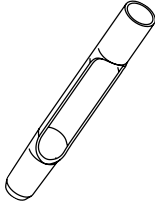
TITAN® Max

<i>HOLLOW MAX</i>	
108-9139	7,1 mm (.280")
108-9141	9,7 mm (.380")
108-9143	12,2 mm (.480")
108-9145	7,1 mm (.280")
108-9147	9,7 mm (.380")
108-9149	12,2 mm (.480")
108-9135	7,1 mm (.280")
108-9151	9,7 mm (.380")
108-9153	12,2 mm (.480")

HOLLOW EXT. TAPER MAX

114-0553	12,0 mm (.473")
114-0561	12,0 mm (.473")

3/4" MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9159
	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9160
	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9161
	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9163
	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9164
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9165
	165,1 mm (6.50")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9162
	165,1 mm (6.50")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9167
	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9168

TITAN SIDE EJECT EXT. TAPER

	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0555
	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0558

TITAN SPLIT

	146,0 mm (5.75")	12,9 mm (.509")	22,4 mm (.880")	3,0 mm (.120")	112-5122
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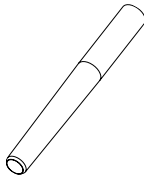
TITAN FAIRWAY HD

	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	108-9260
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	108-9261

TITAN FAIRWAY

	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	104-9876
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	104-9875

CLASSIC

	120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	0,9 mm (.035")	59-3690 Discontinued
	120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	1,2 mm (.049")	66-9140
	120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	1,2 mm (.049")	59-3670
	146,0 mm (5.75")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	104-0984
	165,1 mm (6.50")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	106-8943 Discontinued
	165,1 mm (6.50")	9,9 mm (.390")	16,8 mm (.660")	1,5 mm (.058")	105-1180

TITAN® Max

Part Number	Titan Max Core ID
108-9170	7,1 mm (.280")
108-9172	9,7 mm (.380")
108-9174	12,2 mm (.480")
108-9176	7,1 mm (.280")
108-9178	9,7 mm (.380")
108-9180	12,2 mm (.480")
108-9166	7,1 mm (.280")
108-9182	9,7 mm (.380")
108-9184	12,2 mm (.480")

SIDE EJECT MAX

114-0557	12,0 mm (.473")
114-0560	12,0 mm (.473")

SIDE EJECT EXT. TAPER MAX

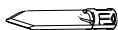
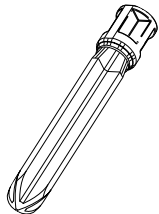
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3/4" MOUNT – CONTINUED
TITAN® Max

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number	Part Number	Titan Max Core ID
TITAN SOLID ROUND							
	114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9198	–	–
	114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9199	–	–
	114,3 mm (4.50")	N/A	8,9 mm (.350")	N/A	108-9200	–	–
	114,3 mm (4.50")	N/A	10,2 mm (.400")	N/A	108-9201	–	–
	114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9202	–	–
	114,3 mm (4.50")	N/A	15,2 mm (.600")	N/A	108-9203	–	–
	139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9204	–	–
	139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9205	–	–
	139,7 mm (5.50")	N/A	8,9 mm (.350")	N/A	108-9206	–	–
	139,7 mm (5.50")	N/A	10,2 mm (.400")	N/A	108-9207	–	–
	139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9208	–	–
	139,7 mm (5.50")	N/A	15,2 mm (.600")	N/A	108-9209	–	–
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9244	–	–
	165,1 mm (6.50")	N/A	7,6 mm (.300")	N/A	108-9210	–	–
	165,1 mm (6.50")	N/A	8,9 mm (.350")	N/A	108-9211	–	–
	165,1 mm (6.50")	N/A	10,2 mm (.400")	N/A	108-9212	–	–
	165,1 mm (6.50")	N/A	12,7 mm (.500")	N/A	108-9213	–	–
	165,1 mm (6.50")	N/A	15,2 mm (.600")	N/A	108-9214	–	–
	165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9245	–	–
TITAN SOLID SLICING							
	114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9239	–	–
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9240	–	–
	165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9241	–	–
TITAN CROSS							
	114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9221	112-1312	–
	114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9222	–	–
	114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9223	–	–
	139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9224	112-1313	–
	139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9225	–	–
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9226	–	–
	165,1 mm (6.50")	N/A	12,7 mm (.500")	N/A	108-9227	112-1314	–
	165,1 mm (6.50")	N/A	15,9 mm (.625")	N/A	108-9228	–	–
	165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9229	–	–
CROSS MAX							

7/8" MOUNT
TITAN HOLLOW

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9190
	120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9191
	146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9192
	146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9193

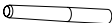
TITAN SIDE EJECT

	120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9194
	120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9195
	146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9196
	146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9197

TITAN SPLIT

	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,0 mm (.120")	112-5121
	146,0 mm (5.75")	16,1 mm (.635")	23,4 mm (.920")	3,0 mm (.120")	112-5123

CLASSIC

	120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	62-4600
	146,0 mm (5.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	86-9720

TITAN FAIRWAY HD

	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	108-9264
	146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,1 mm (.122")	108-9265

TITAN FAIRWAY

	120,6 mm (4.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7941
	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7900
	146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,0 mm (.120")	104-9877

TITAN SOLID ROUND

	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9246
	139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9247
	165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9248
	165,1 mm (6.50")	N/A	22,2 mm (.875")	N/A	108-9249

TITAN SOLID SLICING

	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9242
	165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9243

TITAN CROSS

	139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9259
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NEEDLE TINE

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	163,3 mm (6.43")	N/A	5,0 mm (.197")	N/A	100-3620
	187,5 mm (7.38")	N/A	8,0 mm (.315")	N/A	100-3621
	137,9 mm (5.43")	N/A	5,0 mm (.197")	N/A	125-3319

TITAN® Max

Part Number	Titan Max Core ID
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HOLLOW MAX

108-9155	12,2 mm (.480")
–	–
108-9157	12,2 mm (.480")

SIDE EJECT MAX

108-9186	12,2 mm (.480")
–	–
108-9188	12,2 mm (.480")
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Requires Needle Tine Head
Requires Needle Tine Head
Requires Needle Tine Head

PROCORE® 864 / 1298



FEATURES & BENEFITS

- Precision-balanced coring heads
- RotaLink™ tine guide system
- Efficient aeration
- Smooth, quiet, powerful operation
- Impact resistance system



The same ground-breaking technology that allowed the ProCore 648 to revolutionize greens aeration is now available for large-area applications in the new ProCore 864 and 1298. Aerate fairways and sports fields in efficient 162.9cm (64") and 248.9cm (98") swaths with smooth operation and precision performance you demand.

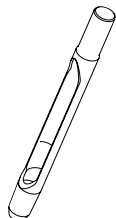
TINE HEADS & TURF GUARDS

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 9,5 mm (.375") Mount	09736	80	120	120-1047 120-1052 110-4367 110-4368	2 – 1 1	4 2 – –
Quad Tine Head, 1 row of 6 9,5 mm (.375") Mount	09737	48	72	120-1050 120-1053 115-2801 115-2802	2 – 1 1	4 2 – –
4 Tine Titan QuickChange 19,0 mm (.750") or 22,2 mm (.875") Sleeve	09719	32	48	120-1045 120-1046 110-4363 110-4364	2 – 1 1	4 2 – –
3 Tine Titan QuickChange 19,0 mm (.750") or 22,2 mm (.875") 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 19,0 mm (.750") Mount	09794	24	36	120-1044 110-4358 115-4359 115-4360	2 – 1 1	4 2 – –
4 Tine Head 19,0 mm (.750") Mount	09796	32	48	120-1045 120-1046 110-4363 110-4364	2 – 1 1	4 2 – –
3 Tine Head HD 22,2 mm (.875") Mount	09797	24	36	120-1044 110-4358 110-4359 110-4360	2 – 1 1	4 2 – –

3/8" MOUNT

TITAN QUAD



Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
114,3 mm (4.50")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9104
114,3 mm (4.50")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9105
114,3 mm (4.50")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9106
114,3 mm (4.50")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9293
127,0 mm (5.00")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9108
127,0 mm (5.00")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9109
127,0 mm (5.00")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9110
127,0 mm (5.00")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9294
139,7 mm (5.50")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9290

TITAN SOLID ROUND



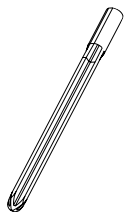
114,3 mm (4.50")	N/A	5,1 mm (.200")	N/A	108-9230
114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9231
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9232
114,3 mm (4.50")	N/A	9,7 mm (.380")	N/A	108-9233
139,7 mm (5.50")	N/A	5,1 mm (.200")	N/A	108-9234
139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9235
139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9236
139,7 mm (5.50")	N/A	9,7 mm (.380")	N/A	108-9237

TITAN SOLID SLICING



127,0 mm (5.00")	N/A	15,9 mm (.625")	N/A	108-9238
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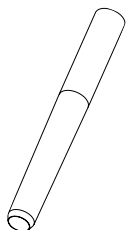
TITAN CROSS



114,3 mm (4.50")	N/A	9,5 mm (.375")	N/A	108-9215
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9216
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9217
139,7 mm (5.50")	N/A	9,5 mm (.375")	N/A	108-9218
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9219
139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9220

3/4" MOUNT

TITAN HOLLOW



Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9128
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9129
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9130
146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9132
146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9133
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9134
165,1 mm (6.50")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9138
165,1 mm (6.50")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9136
165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9137

TITAN® Max

Part Number	Titan Max Core ID
108-9112	5,8 mm (.230")
108-9114	7,1 mm (.280")
108-9116	9,7 mm (.380")
—	—
108-9120	5,8 mm (.230")
108-9122	7,1 mm (.280")
108-9124	9,7 mm (.380")
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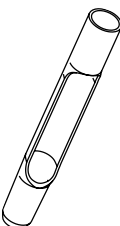
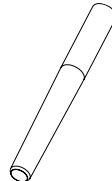
CROSS MAX

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112-1310	—
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112-1311	—
—	—

TITAN® Max

Part Number	Titan Max Core ID
108-9139	7,1 mm (.280")
108-9141	9,7 mm (.380")
108-9143	12,2 mm (.480")
108-9145	7,1 mm (.280")
108-9147	9,7 mm (.380")
108-9149	12,2 mm (.480")
108-9135	7,1 mm (.280")
108-9151	9,7 mm (.380")
108-9153	12,2 mm (.480")

3/4" MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW EXT. TAPER					
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0551
	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0550
SIDE EJECT					
	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9159
	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9160
	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9161
	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9163
	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9164
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9165
	165,1 mm (6.50")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9162
	165,1 mm (6.50")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9167
	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9168
TITAN SIDE EJECT EXT. TAPER					
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0555
	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0558
TITAN SPLIT					
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	112-5122
TITAN FAIRWAY HD					
	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	108-9260
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	108-9261
TITAN FAIRWAY					
	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	2,7 mm (.105")	104-9876
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,1 mm (.122")	104-9875
CLASSIC					
	120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	0,9 mm (.035")	59-3690 Discontinued
	120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	1,2 mm (.049")	66-9140
	120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	1,2 mm (.049")	59-3670
	146,0 mm (5.75")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	104-0984
	165,1 mm (6.50")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	106-8943 Discontinued
	165,1 mm (6.50")	9,9 mm (.390")	16,8 mm (.660")	1,5 mm (.058")	105-1180

TITAN® Max

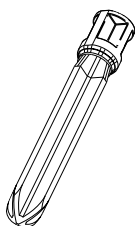
Part Number	Titan Max Core ID
HOLLOW EXT. TAPER MAX	
114-0553	12,0 mm (.473")
114-0561	12,0 mm (.473")
SIDE EJECT MAX	
108-9170	7,1 mm (.280")
108-9172	9,7 mm (.380")
108-9174	12,2 mm (.480")
108-9176	7,1 mm (.280")
108-9178	9,7 mm (.380")
108-9180	12,2 mm (.480")
108-9166	7,1 mm (.280")
108-9182	9,7 mm (.380")
108-9184	12,2 mm (.480")
SIDE EJECT EXT. TAPER MAX	
114-0557	12,0 mm (.473")
114-0560	12,0 mm (.473")
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-	-
-	-
-	-
-	-
-	-

3/4" MOUNT – CONTINUED
TITAN SOLID ROUND


Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9198
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9199
114,3 mm (4.50")	N/A	8,9 mm (.350")	N/A	108-9200
114,3 mm (4.50")	N/A	10,2 mm (.400")	N/A	108-9201
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9202
114,3 mm (4.50")	N/A	15,2 mm (.600")	N/A	108-9203
139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9204
139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9205
139,7 mm (5.50")	N/A	8,9 mm (.350")	N/A	108-9206
139,7 mm (5.50")	N/A	10,2 mm (.400")	N/A	108-9207
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9208
139,7 mm (5.50")	N/A	15,2 mm (.600")	N/A	108-9209
139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9244
165,1 mm (6.50")	N/A	7,6 mm (.300")	N/A	108-9210
165,1 mm (6.50")	N/A	8,9 mm (.350")	N/A	108-9211
165,1 mm (6.50")	N/A	10,2 mm (.400")	N/A	108-9212
165,1 mm (6.50")	N/A	12,7 mm (.500")	N/A	108-9213
165,1 mm (6.50")	N/A	15,2 mm (.600")	N/A	108-9214
165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9245

TITAN SOLID SLICING


114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9239
139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9240
165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9241

TITAN CROSS


114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9221
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9222
114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9223
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9224
139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9225
139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9226
165,1 mm (6.50")	N/A	12,7 mm (.500")	N/A	108-9227
165,1 mm (6.50")	N/A	15,9 mm (.625")	N/A	108-9228
165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9229

TITAN® Max

Part Number	Titan Max Core ID
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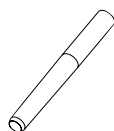
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CROSS MAX

112-1312	–
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112-1313	–
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112-1314	–
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7/8" MOUNT

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


120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9190
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9191
146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9192
146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9193

SIDE EJECT


120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9194
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9195
146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9196
146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9197

TITAN SPLIT


146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,0 mm (.120")	112-5121
146,0 mm (5.75")	16,1 mm (.635")	23,4 mm (.920")	3,0 mm (.120")	112-5123

TITAN FAIRWAY HD

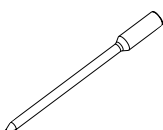

146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	108-9264
146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,1 mm (.122")	108-9265

TITAN FAIRWAY


120,6 mm (4.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7941
146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7900
146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,0 mm (.120")	104-9877

CLASSIC


120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	62-4600
146,0 mm (5.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	86-9720

TITAN SOLID ROUND


139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9246
139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9247
165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9248
165,1 mm (6.50")	N/A	22,2 mm (.875")	N/A	108-9249

TITAN SOLID SLICING


139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9242
165,1 mm (6.50")	N/A	19,0 mm (.750")	N/A	108-9243

TITAN CROSS


139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9259
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NEEDLE TINE


Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
163,3 mm (6.43")	N/A	5,0 mm (.197")	N/A	100-3620
187,5 mm (7.38")	N/A	8,0 mm (.315")	N/A	100-3621
137,9 mm (5.43")	N/A	5,0 mm (.197")	N/A	125-3319

TITAN® Max

Part Number	Titan Max Core ID
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HOLLOW MAX

108-9155	12,2 mm (.480")
–	–
108-9157	12,2 mm (.480")
–	–

SIDE EJECT MAX

108-9186	12,2 mm (.480")
–	–
108-9188	12,2 mm (.480")
–	–

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–	–

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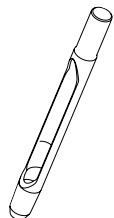
PROCORE® 440 / 660 / 880



The ProCore 440/660/880 was built for cost-effective aeration during any season. Each model offers performance through the unique Rotalink™ system ensuring proper tine positioning during aeration for consistent and exceptional hole quality. Sizes range from 101,6 cm to 203,2 cm (40" to 80") and can accommodate multiple tine spacing configurations for precise aeration making these models extremely versatile.

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, 9,5 mm (.375") Mount	09721	60	80	100-5420	1	5	100-5421	8	4
3 Tine Head, 19,0 mm (.750") Mount	09722	18	24	100-5414	2	5	100-5415	3	—
4 Tine Head, 19,0 mm (.750") Mount	09723	24	32	100-5416	5	1	100-5417	—	4
3 Tine Head, 22,2 mm (.875") Mount	09733	18	24	100-5414	2	5	100-5415	3	—
4 Tine Head, 22,2 mm (.875") Mount	09734	24	32	100-5416	5	1	100-5417	—	4

3/8" MOUNT
TITAN QUAD


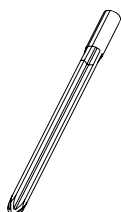
Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
114,3 mm (4.50")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9104
114,3 mm (4.50")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9105
114,3 mm (4.50")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9106
114,3 mm (4.50")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9293
127,0 mm (5.00")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9108
127,0 mm (5.00")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9109
127,0 mm (5.00")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9110
127,0 mm (5.00")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9294
139,7 mm (5.50")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9290

TITAN SOLID ROUND

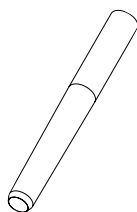

114,3 mm (4.50")	N/A	5,1 mm (.200")	N/A	108-9230
114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9231
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9232
114,3 mm (4.50")	N/A	9,7 mm (.380")	N/A	108-9233
139,7 mm (5.50")	N/A	5,1 mm (.200")	N/A	108-9234
139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9235
139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9236
139,7 mm (5.50")	N/A	9,7 mm (.380")	N/A	108-9237

TITAN SOLID SLICING


127,0 mm (5.00")	N/A	15,9 mm (.625")	N/A	108-9238
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TITAN CROSS


114,3 mm (4.50")	N/A	9,5 mm (.375")	N/A	108-9215
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9216
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9217
139,7 mm (5.50")	N/A	9,5 mm (.375")	N/A	108-9218
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9219
139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9220

3/4" MOUNT
TITAN HOLLOW


Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9128
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9129
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9130
146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9132
146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9133
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9134

TITAN® Max

Part Number	Titan Max Core ID
108-9112	5,8 mm (.230")
108-9114	7,1 mm (.280")
108-9116	9,7 mm (.380")
—	—
108-9120	5,8 mm (.230")
108-9122	7,1 mm (.280")
108-9124	9,7 mm (.380")
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CROSS MAX

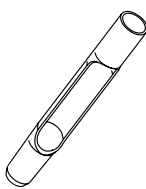
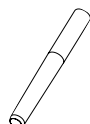
—	—
112-1310	—
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112-1311	—
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TITAN® Max

Part Number	Titan Max Core ID
108-9139	7,1 mm (.280")
108-9141	9,7 mm (.380")
108-9143	12,2 mm (.480")
108-9145	7,1 mm (.280")
108-9147	9,7 mm (.380")
108-9149	12,2 mm (.480")

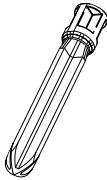
HOLLOW MAX

3/4" MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW EXT. TAPER					
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0551
TITAN SIDE EJECT					
	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9159
	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9160
	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9161
	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9163
	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9164
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9165
TITAN SIDE EJECT EXT. TAPER MAX					
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0555
TITAN SPLIT					
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	112-5122
TITAN FAIRWAY HD					
	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	108-9260
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	108-9261
TITAN FAIRWAY					
	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	104-9876
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	104-9875
CLASSIC					
	120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	0,9 mm (.035")	59-3690 Discontinued
	120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	1,2 mm (.049")	66-9140
	120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	1,2 mm (.049")	59-3670
	146,0 mm (5.75")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	104-0984
TITAN SOLID ROUND					
	114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9198
	114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9199
	114,3 mm (4.50")	N/A	8,9 mm (.350")	N/A	108-9200
	114,3 mm (4.50")	N/A	10,2 mm (.400")	N/A	108-9201
	114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9202
	114,3 mm (4.50")	N/A	15,2 mm (.600")	N/A	108-9203
	139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9204
	139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9205
	139,7 mm (5.50")	N/A	8,9 mm (.350")	N/A	108-9206
	139,7 mm (5.50")	N/A	10,2 mm (.400")	N/A	108-9207
	139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9208
	139,7 mm (5.50")	N/A	15,2 mm (.600")	N/A	108-9209
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9244
	TITAN SOLID SLICING				
	114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9239
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9240

TITAN® Max[illegible]

3/4" MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9221
	114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9222
	114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9223
	139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9224
	139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9225
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9226

7/8" MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9190
	120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9191
	146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9192
	146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9193
	120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9194
	120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9195
	146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9196
	146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9197

TITAN SPLIT

	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,0 mm (.120")	112-5121
	146,0 mm (5.75")	16,1 mm (.635")	23,4 mm (.920")	3,0 mm (.120")	112-5123

TITAN FAIRWAY HD

	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	108-9264
	146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,1 mm (.122")	108-9265

TITAN FAIRWAY

	120,6 mm (4.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7941
	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7900
	146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,0 mm (.120")	104-9877

CLASSIC

	120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	62-4600
	146,0 mm (5.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	86-9720

TITAN SOLID ROUND

	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9246
	139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9247

TITAN SOLID SLICING

	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9242
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TITAN CROSS

	139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9259
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NEEDLE TINE

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
	163,3 mm (6.43")	N/A	5,0 mm (.197")	N/A	100-3620
	187,5 mm (7.38")	N/A	8,0 mm (.315")	N/A	100-3621
	137,9 mm (5.43")	N/A	5,0 mm (.197")	N/A	125-3319

TITAN® Max

Part Number	Titan Max Core ID
CROSS MAX	
112-1312	–
–	–
–	–
112-1313	–
–	–
–	–

TITAN® Max

Part Number	Titan Max Core ID
HOLLOW MAX	
108-9155	12,2 mm (.480")
–	–
108-9157	12,2 mm (.480")
–	–
SIDE EJECT MAX	
108-9186	12,2 mm (.480")
–	–
108-9188	12,2 mm (.480")
–	–

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GREENS AERATOR



If there was a Hall of Fame for aerators, the Toro® Greens Aerator would definitely be inducted. This powerful and efficient greens aerator was produced for 17 solid years following its introduction in 1986. Although it's officially in retirement, there are many of them around the world still aerating greens as well as they did brand new.

TINE HEADS & TURF GUARDS

TINE HEADS		TINES REQ'D	TURF GUARDS	
Description	Part No.		Part No.	Qty. Req'd
9,5 mm (.375") Needle Tine Head	94-3421 Outboard block 94-6822 Inboard block	12		
12,7 mm (.500") Tine Head	94-3420	12	72-4660 (RH)	1
19,0 mm (.750") Tine Head	59-2500	12	72-4680 (Ctr)	1
22,2 mm (.875") Tine Head	62-4610	12	72-4640 (LH)	1

GREENS AERATOR

3/8" MOUNT

TITAN QUAD



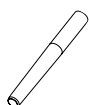
Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
114,3 mm (4.50")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9104
114,3 mm (4.50")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9105
114,3 mm (4.50")	10,3 mm (.406")	13,9 mm (.546")	1,6 mm (.063")	108-9106
114,3 mm (4.50")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9293

TITAN SOLID ROUND



114,3 mm (4.50")	N/A	5,1 mm (.200")	N/A	108-9230
114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9231
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9232
114,3 mm (4.50")	N/A	9,7 mm (.380")	N/A	108-9233

TITAN HOLLOW



114,3 mm (4.50")	N/A	9,5 mm (.375")	N/A	108-9215
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9216
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9217

3/4" MOUNT

TITAN HOLLOW



120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9128
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9129
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9130

TITAN SIDE EJECT



120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9159
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9160
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9161

CLASSIC



120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	0,9 mm (.035")	59-3690 Discontinued
120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	1,2 mm (.049")	66-9140
120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	1,2 mm (.049")	59-3670

TITAN SOLID ROUND



114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9198
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9199
114,3 mm (4.50")	N/A	8,9 mm (.350")	N/A	108-9200
114,3 mm (4.50")	N/A	10,2 mm (.400")	N/A	108-9201
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9202
114,3 mm (4.50")	N/A	15,2 mm (.600")	N/A	108-9203

TITAN® Max

Part Number	Titan Max Core ID
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QUAD MAX

108-9112	5.8 mm (.230")
108-9114	7.1 mm (.280")
108-9116	9.7 mm (.380")
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—	—
—	—

HOLLOW MAX

—	—
112-1310	—
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TITAN® Max

Part Number	Titan Max Core ID
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HOLLOW MAX

108-9139	7,1 mm (.280")
108-9141	9,7 mm (.380")
108-9143	12,2 mm (.480")

SIDE EJECT MAX

108-9170	7,1 mm (.280")
108-9172	9,7 mm (.380")
108-9174	12,2 mm (.480")

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SOLID ROUND MAX

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GREENS AERATOR

3/4" MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
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TITAN SOLID SLICING



114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9239
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TITAN CROSS



114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9221
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9222
114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9223

TITAN® Max

Part Number	Titan Max Core ID
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CROSS MAX

112-1312	–
–	–
–	–

7/8" MOUNT

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



120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9190
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9191

TITAN SIDE EJECT



120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9194
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9195

CLASSIC



120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	62-4600
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TITAN FAIRWAY



120,6 mm (4.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7941
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TITAN® Max

Part Number	Titan Max Core ID
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HOLLOW MAX

108-9155	12,2 mm (.480")
–	–

SIDE EJECT MAX

108-9186	12,2 mm (.480")
–	–

NEEDLE TINE



Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
163,3 mm (6.43")	N/A	5,0 mm (.197")	N/A	100-3620

Requires Needle Tine Head

FAIRWAY AERATOR



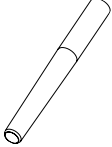
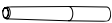
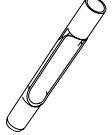
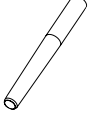
The Fairway Aerator is a legend. Based on the name, one might assume its sole purpose is fairways. However, this tough aerator also performs exceptionally well on sports fields and other turf. Although production ended in 1996, there are still so many Fairway Aerators working today that we've added their tine offering back into the catalog.

TINE HEADS & TURF GUARDS

TINE HEADS		TINES REQ'D	TURF GUARDS	
Description	Part No.		Part No.	Qty. Req'd
6-Tine, 19,0 mm (.750") Block		36	70-9430 70-9440	3
Outer	95-3103			
Bridging	95-3104			
Inner	95-3105			
6-Tine, 22,2 mm (.875") Block		12		
Outer	70-9380			
Bridging	70-9390			
Inner	70-9400			

FAIRWAY AERATOR

3/4" MOUNT

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
TITAN HOLLOW					
	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9128
	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9129
	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9130
	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9132
	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9133
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9134
TITAN HOLLOW EXT. TAPER					
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0551
TITAN SIDE EJECT					
	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9159
	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9160
	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9161
	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9163
	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9164
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9165
TITAN SIDE EJECT EXT. TAPER					
	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0555
TITAN SPLIT					
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	112-5122
TITAN FAIRWAY HD					
	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	108-9260
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	108-9261
TITAN FAIRWAY					
	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	104-9876
	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	104-9875
CLASSIC					
	120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	0,9 mm (.035")	59-3690 Discontinued
	120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	1,2 mm (.049")	66-9140
	120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	1,2 mm (.049")	59-3670
	146,0 mm (5.75")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	104-0984

TITAN® Max

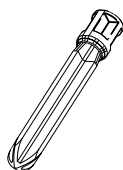
Part Number	Titan Max Core ID
HOLLOW MAX	
108-9139	7,1 mm (.280")
108-9141	9,7 mm (.380")
108-9143	12,2 mm (.480")
108-9145	7,1 mm (.280")
108-9147	9,7 mm (.380")
108-9149	12,2 mm (.480")
HOLLOW EXT. TAPER MAX	
114-0553	12,0 mm (.473")
SIDE EJECT MAX	
108-9170	7,1 mm (.280")
108-9172	9,7 mm (.380")
108-9174	12,2 mm (.480")
108-9176	7,1 mm (.280")
108-9178	9,7 mm (.380")
108-9180	12,2 mm (.480")
SIDE EJECT EXT. TAPER MAX	
114-0557	12,0 mm (.473")
-	-
-	-
-	-
-	-
-	-
-	-
-	-

3/4" MOUNT – CONTINUED

	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number
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TITAN SOLID ROUND


114,3 mm (4.50")	N/A	6,3 mm (.250")	N/A	108-9198
114,3 mm (4.50")	N/A	7,6 mm (.300")	N/A	108-9199
114,3 mm (4.50")	N/A	8,9 mm (.350")	N/A	108-9200
114,3 mm (4.50")	N/A	10,2 mm (.400")	N/A	108-9201
114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9202
114,3 mm (4.50")	N/A	15,2 mm (.600")	N/A	108-9203
139,7 mm (5.50")	N/A	6,3 mm (.250")	N/A	108-9204
139,7 mm (5.50")	N/A	7,6 mm (.300")	N/A	108-9205
139,7 mm (5.50")	N/A	8,9 mm (.350")	N/A	108-9206
139,7 mm (5.50")	N/A	10,2 mm (.400")	N/A	108-9207
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9208
139,7 mm (5.50")	N/A	15,2 mm (.600")	N/A	108-9209
139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9244

TITAN CROSS


114,3 mm (4.50")	N/A	12,7 mm (.500")	N/A	108-9221
114,3 mm (4.50")	N/A	15,9 mm (.625")	N/A	108-9222
114,3 mm (4.50")	N/A	19,0 mm (.750")	N/A	108-9223
139,7 mm (5.50")	N/A	12,7 mm (.500")	N/A	108-9224
139,7 mm (5.50")	N/A	15,9 mm (.625")	N/A	108-9225
139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9226

TITAN® Max

Part Number	Titan Max Core ID
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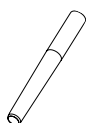
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HOLLOW MAX

112-1312	–
–	–
–	–
112-1313	–
–	–
–	–

7/8" MOUNT

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


120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9190
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9191
120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9192
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9193

TITAN SIDE EJECT


120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9194
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9195
146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9196
146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9197

TITAN SPLIT


146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,0 mm (.120")	112-5121
146,0 mm (5.75")	16,1 mm (.635")	23,4 mm (.920")	3,0 mm (.120")	112-5123

TITAN® Max

Part Number	Titan Max Core ID
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HOLLOW MAX

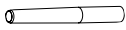
108-9155	12.2 mm (.480")
–	–
108-9157	12.2 mm (.480")
–	–

SIDE EJECT MAX

108-9186	12.2 mm (.480")
–	–
108-9188	12.2 mm (.480")
–	–

FAIRWAY AERATOR

7/8" MOUNT – CONTINUED

						TITAN® Max	
	Length	Core Dia. (ID)	OD	Wall Thickness	Part Number	Part Number	Titan Max Core ID
TITAN FAIRWAY HD							
	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	108-9264	–	–
	146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,1 mm (.122")	108-9265	–	–
TITAN FAIRWAY							
	120,6 mm (4.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7941	–	–
	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7900	–	–
	146,0 mm (5.75")	16,1 mm (.635")	25,4 mm (1.00")	3,0 mm (.120")	104-9877	–	–
CLASSIC							
	120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	62-4600	–	–
	146,0 mm (5.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	86-9720	–	–
TITAN SOLID ROUND							
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9246	–	–
	139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9247	–	–
TITAN SOLID SLICING							
	139,7 mm (5.50")	N/A	19,0 mm (.750")	N/A	108-9242	–	–
TITAN CROSS							
	139,7 mm (5.50")	N/A	22,2 mm (.875")	N/A	108-9259	–	–

TURF AERATOR 686 / 687



The 686 and 687 Turf Aerators give excellent depth and performance and follow ground contours, vertically and horizontally, like no other available.

TURF AERATOR 686/687

SPOON-OPEN



Part Number	Size	Quantity Required
108-9296	12,7 mm (.500")	96 tines
108-9298	19,0 mm (.750")	96 tines

SPOON-CLOSED



108-9297	12,7 mm (.500")	96 tines
108-9299	19,0 mm (.750")	96 tines

PROCORE® SR SERIES

FEATURES & BENEFITS

- Heavy-duty design
- Hydraulic remote depth adjustment from the tractor
- Superior punching power
- Multiple coring and solid tines
- Easy hook-up and operation
- Simplified maintenance



The ProCore SR Series provide working widths of 122 – 190 cm (48" – 75") working depths up to 40.6 cm (16") and hole spacing from 6.3 – 15.2 cm (2.5" – 6"). From lightweight, precision machines for more sensitive turf to robust heavy-duty machines to break up the soil on the most compacted surfaces, the ProCore SR Series deep tine aerators are the ultimate choice for performance and quality.

12MM OR 18MM MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07625	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07750	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10755	–	SGT10750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	20,6 mm (.810")	SGC10813H	–	SGT10813H
18,0 mm (.709")	203,2 mm (8.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC08125	–	SGT08125
18,0 mm (.709")	203,2 mm (8.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC08100H	–	SGT08100H
18,0 mm (.709")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10750	–	SGT10750
18,0 mm (.709")	254,0 mm (10.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC10100H	–	SGT10100H
18,0 mm (.709")	254,0 mm (10.00")	19,3 mm (.760")	25,4 mm (1.00")	SGC10100S	–	SGT10100S
18,0 mm (.709")	304,8 mm (12.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC12125	–	SGT12125

SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313*	SGA08313	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313*	SGA08313	–
9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375*	SGA12375	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374*	SGA12375	–
9,5 mm (.375")	311,2 mm (12.25")	–	9,5 mm (.375")	SGS10375*	SGA12375	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–
12,0 mm (.472")	311,2 mm (12.25")	–	12,0 mm (.472")	SGS10500	–	–
12,0 mm (.472")	361,9 mm (14.25")	–	12,0 mm (.472")	SGS12500	–	–
12,0 mm (.472")	412,8 mm (16.25")	–	12,0 mm (.472")	SGS14500	–	–
18,0 mm (.709")	311,2 mm (12.25")	–	18,0 mm (.709")	SGS10750	–	–
18,0 mm (.709")	317,5 mm (12.50")	–	22,2 mm (.875")	SGS10875	–	–
18,0 mm (.709")	355,6 mm (14.00")	–	22,2 mm (.875")	SGS12875	–	–
18,0 mm (.709")	361,9 mm (14.25")	–	18,0 mm (.709")	SGS12750	–	–
18,0 mm (.709")	406,4 mm (16.00")	–	22,2 mm (.875")	SGS14875	–	–
18,0 mm (.709")	412,8 mm (16.25")	–	18,0 mm (.709")	SGS14750	–	–

SR48 ADAPTER HEAD KIT 117–7190
SOLID TINES

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

SR48 ADAPTER HEAD KIT 117–7191
CORING TINES

12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750

SOLID TINES

12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	311,2 mm (12.25")	–	12,0 mm (.472")	SGS10500	–	–
12,0 mm (.472")	361,9 mm (14.25")	–	12,0 mm (.472")	SGS12500	–	–
12,0 mm (.472")	412,8 mm (16.25")	–	12,0 mm (.472")	SGS14500	–	–

PROCORE® SR SERIES SR54

5/16" OR 12MM MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550*	SGA10375	–
12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750
SOLID TINES						
7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375*	SGA10375	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374*	SGA10375	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–

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

CORING TINES						
9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	–	SGT05550
SOLID TINES						
7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375*	SGA10375	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374*	SGA10375	–
9,5 mm (.375")	311,2 mm (12.25")	–	9,5 mm (.375")	SGS10375*	SGA10375	–

*Adapter Sleeve is required.

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

12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750

SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–

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

18,0 mm (.709")	311,2 mm (12.25")	–	18,0 mm (.709")	SGS10750	–	–
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SR 54-S ADAPTER HEAD KIT 117–7195 (12 TINES)
CORING TINES

12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750

SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–

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

9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	–	SGT05550
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SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375	–	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374	–	–

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

9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	–	SGT05550
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SOLID TINES

9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375	–	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374	–	–

PROCORE® SR SERIES SR70

5/16" OR 12MM MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	SGA10375	SGT05550
12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	—	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	—	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	—	SGT10750
SOLID TINES						
7,9 mm (.3125")	215,9 mm (8.50")	—	7,9 mm (.3125")	SGS07313	—	—
7,9 mm (.3125")	254,0 mm (10.00")	—	7,9 mm (.3125")	SGS08313	—	—
9,5 mm (.375")	228,6 mm (9.00")	—	9,5 mm (.375")	SGS08375	SGA10375	—
9,5 mm (.375")	273,1 mm (10.75")	—	9,5 mm (.375")	SGS10374	SGA10375	—
12,0 mm (.472")	203,2 mm (8.00")	—	12,0 mm (.472")	SGS08500	—	—
12,0 mm (.472")	273,1 mm (10.75")	—	12,0 mm (.472")	SGS10504	—	—

SR70 ADAPTER HEAD KIT 117–7193 (48 TINES)

CORING TINES						
9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	—	—
SOLID TINES						
7,9 mm (.3125")	215,9 mm (8.50")	—	7,9 mm (.3125")	SGS07313	—	—
7,9 mm (.3125")	254,0 mm (10.00")	—	7,9 mm (.3125")	SGS08313	—	—
9,5 mm (.375")	228,6 mm (9.00")	—	9,5 mm (.375")	SGS08375	—	—
9,5 mm (.375")	273,1 mm (10.75")	—	9,5 mm (.375")	SGS10374	—	—
9,5 mm (.375")	311,2 mm (12.25")	—	9,5 mm (.375")	SGS10375	—	—

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

12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750

SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–

SR70-S ADAPTER HEAD KIT 117-7194 (16 TINES)
SOLID TINES

18,0 mm (.709")	311,2 mm (12.25")	–	18,0 mm (.709")	SGS10750	–	–
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SR70-S ADAPTER HEAD KIT 117-7195 (16 TINES)
CORING TINES

12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750

SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–

SR70-S ADAPTER HEAD KIT 117-7196 (32 TINES)
CORING TINES

9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	–	SGT05550
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SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	–	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	–	–
9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375	–	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374	–	–

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

9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	–	SGT05550
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SOLID TINES

9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375	–	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374	–	–

PROCORE® SR SERIES SR72

12MM OR 18MM MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
12,0 mm (.472") Long	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07625*	–	SGT07625
12,0 mm (.472") Long	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07750*	–	SGT07750
12,0 mm (.472") Long	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10755*	–	SGT10750
12,0 mm (.472") Long	254,0 mm (10.00")	14,2 mm (.560")	20,6 mm (.810")	SGC10813H	–	SGT10813H
18,0 mm (.709") Long	203,2 mm (8.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC08125	–	SGT10750
18,0 mm (.709") Long	203,2 mm (8.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC08100H	–	SGT08100H
18,0 mm (.709") Long	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10750	–	SGT10100S
18,0 mm (.709") Long	254,0 mm (10.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC10100H	–	SGT10100H
18,0 mm (.709") Long	254,0 mm (10.00")	19,3 mm (.760")	25,4 mm (1.00")	SGC10100S	–	SGT08125
18,0 mm (.709") Long	304,8 mm (12.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC12125	–	SGT12125

SOLID TINES

7,9 mm (.3125")	215,9 mm (8.50")	–	7,9 mm (.3125")	SGS07313	SGA08313	–
7,9 mm (.3125")	254,0 mm (10.00")	–	7,9 mm (.3125")	SGS08313	SGA08313	–
9,5 mm (.375")	228,6 mm (9.00")	–	9,5 mm (.375")	SGS08375	SGA12375	–
9,5 mm (.375")	273,1 mm (10.75")	–	9,5 mm (.375")	SGS10374	SGA12375	–
9,5 mm (.375")	311,2 mm (12.25")	–	9,5 mm (.375")	SGS10375	SGA12375	–
12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–
12,0 mm (.472")	311,2 mm (12.25")	–	12,0 mm (.472")	SGS10500	–	–
12,0 mm (.472")	361,9 mm (14.25")	–	12,0 mm (.472")	SGS12500	–	–
12,0 mm (.472")	412,8 mm (16.25")	–	12,0 mm (.472")	SGS14500	–	–
18,0 mm (.709")	311,2 mm (12.25")	–	18,0 mm (.709")	SGS10750	–	–
18,0 mm (.709")	317,5 mm (12.50")	–	22,2 mm (.875")	SGS10875	–	–
18,0 mm (.709")	355,6 mm (14.00")	–	22,2 mm (.875")	SGS12875	–	–
18,0 mm (.709")	361,9 mm (14.25")	–	18,0 mm (.709")	SGS12750	–	–
18,0 mm (.709")	406,4 mm (16.00")	–	22,2 mm (.875")	SGS14875	–	–
18,0 mm (.709")	412,8 mm (16.25")	–	18,0 mm (.709")	SGS14750	–	–

SR72 ADAPTER HEAD KIT 117–7190 (60 TINES)

SOLID TINES

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

SR72 ADAPTER HEAD KIT 117–7191 (60 TINES)

CORING TINES

12,0 mm (.472")	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07624	–	SGT07625
12,0 mm (.472")	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07754	–	SGT07750
12,0 mm (.472")	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10754	–	SGT10750

SOLID TINES

12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
12,0 mm (.472")	311,2 mm (12.25")	–	12,0 mm (.472")	SGS10500	–	–
12,0 mm (.472")	361,9 mm (14.25")	–	12,0 mm (.472")	SGS12500	–	–
12,0 mm (.472")	412,8 mm (16.25")	–	12,0 mm (.472")	SGS14500	–	–

*Longer shank tine.

7/8" MOUNT

Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
CORING TINES						
18,0 mm (.709") Long	203,2 mm (8.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC08125	SG715802	SGT08125
18,0 mm (.709") Long	203,2 mm (8.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC08100H	SG715802	SGT08100H
18,0 mm (.709") Long	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10750*	SG715802	SGT10750
18,0 mm (.709") Long	254,0 mm (10.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC10100H	SG715802	SGT10100H
18,0 mm (.709") Long	254,0 mm (10.00")	19,3 mm (.760")	25,4 mm (1.00")	SGC10100S	SG715802	SGT10100S
18,0 mm (.709") Long	304,8 mm (12.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC12125	SG715802	SGT12125
22,2 mm (.875") Long	203,2 mm (8.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC08123	–	SGT08125
22,2 mm (.875") Long	304,8 mm (12.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC12123	–	SGT12125

SOLID TINES

18,0 mm (.709")	311,2 mm (12.25")	–	18,0 mm (.709")	SGS10750	SG715802	–
18,0 mm (.709")	317,5 mm (12.50")	–	22,2 mm (.875")	SGS10875	SG715802	–
18,0 mm (.709")	355,6 mm (14.00")	–	22,2 mm (.875")	SGS12875	SG715802	–
18,0 mm (.709")	361,9 mm (14.25")	–	18,0 mm (.709")	SGS12750	SG715802	–
18,0 mm (.709")	406,4 mm (16.00")	–	22,2 mm (.875")	SGS14875	SG715802	–
18,0 mm (.709")	412,8 mm (16.25")	–	18,0 mm (.709")	SGS14750	SG715802	–
22,2 mm (.875")	317,5 mm (12.50")	–	22,2 mm (.875")	SGS10876	–	–
22,2 mm (.875")	355,6 mm (14.00")	–	22,2 mm (.875")	SGS12876	–	–
22,2 mm (.875")	400,0 mm (15.75")	–	22,2 mm (.875")	SGS14876	–	–
22,2 mm (.875")	454,2 mm (17.88")	–	25,4 mm (1.00")	SGS16100	–	–

SR75 ADAPTER HEAD KIT 117–7198 (4X12MM = 24 TINES OR 3X18MM = 18 TINES)
CORING TINES

12,0 mm (.472") Long	177,8 mm (7.00")	13,2 mm (.520")	17,4 mm (.687")	SGC07625	–	SGT07625
12,0 mm (.472") Long	177,8 mm (7.00")	14,2 mm (.560")	20,7 mm (.813")	SGC07750	–	SGT07750
12,0 mm (.472") Long	254,0 mm (10.00")	14,2 mm (.560")	20,6 mm (.810")	SGC10813H	–	SGT10813H
12,0 mm (.472") Long	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10755*	–	SGT10750
18,0 mm (.709") Long	203,2 mm (8.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC08100H	–	SGT08100H
18,0 mm (.709") Long	203,2 mm (8.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC08125	–	SGT08125
18,0 mm (.709") Long	254,0 mm (10.00")	14,2 mm (.560")	19,0 mm (.750")	SGC10750	–	SGT07625
18,0 mm (.709") Long	254,0 mm (10.00")	19,3 mm (.760")	25,4 mm (1.00")	SGC10100S	–	SGT10100S
18,0 mm (.709") Long	254,0 mm (10.00")	18,8 mm (.740")	26,9 mm (1.06")	SGC10100H	–	SGT10100H
18,0 mm (.709") Long	304,8 mm (12.00")	23,9 mm (.940")	33,3 mm (1.31")	SGC12125	–	SGT12125

*Longer shank tine.

ADAPTER HEAD KIT 117–7198 – CONTINUED

	Mount	Length	Core Dia. (ID)	OD	Part	Adapter Sleeve	Replacement Tube
<i>SOLID TINES</i>							
	12,0 mm (.472")	203,2 mm (8.00")	–	12,0 mm (.472")	SGS08500	–	–
	12,0 mm (.472")	273,1 mm (10.75")	–	12,0 mm (.472")	SGS10504	–	–
	12,0 mm (.472")	311,2 mm (12.25")	–	12,0 mm (.472")	SGS10500	–	–
	12,0 mm (.472")	361,9 mm (14.25")	–	12,0 mm (.472")	SGS12500	–	–
	12,0 mm (.472")	412,8 mm (16.25")	–	12,0 mm (.472")	SGS14500	–	–
	18,0 mm (.709")	311,2 mm (12.25")	–	18,0 mm (.709")	SGS10750	–	–
	18,0 mm (.709")	317,5 mm (12.50")	–	22,2 mm (.875")	SGS10875	–	–
	18,0 mm (.709")	355,6 mm (14.00")	–	22,2 mm (.875")	SGS12875	–	–
	18,0 mm (.709")	361,9 mm (14.25")	–	18,0 mm (.709")	SGS12750	–	–
	18,0 mm (.709")	406,4 mm (16.00")	–	22,2 mm (.875")	SGS14875	–	–
	18,0 mm (.709")	412,8 mm (16.25")	–	18,0 mm (.709")	SGS14750	–	–

COMPETITIVE MODELS

FEATURES & BENEFITS

- Heavy-duty design
- Hydraulic remote depth adjustment from the tractor
- Superior punching power
- Multiple coring and solid tines
- Easy hook-up and operation
- Simplified maintenance

TITAN® Conversion Sleeves

Part Number	Description	Mount
112-1300	Sleeve	12,7 mm (.500")
112-1301	Sleeve	15,9 mm (.625")

Easily Converts Titan Tines to 12,7 mm (.500") and 15,9 mm (.625") Mount. Toro conversion sleeves allow the complete selection of Toro tines to fit on most competitive equipment. The conversion sleeve slides onto a 9,5 mm (.375") mount Toro tine to create a 12,7 mm (.500") mount or 15,9 mm (.625") mount.

TITAN® TINES COMPETITIVE MODELS

3/8" 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®
<i>TITAN QUAD</i>					<i>QUAD MAX</i>			
114,3 mm (4.50")	6,3 mm (.248")	9,1 mm (.360")	108-9104	1,3 mm (.052")	108-9112	5,8 mm (.230")	X	X
114,3 mm (4.50")	8,1 mm (.318")	11,6 mm (.458")	108-9105	1,6 mm (.063")	108-9114	7,1 mm (.280")	X	X
114,3 mm (4.50")	10,3 mm (.406")	13,9 mm (.546")	108-9106	1,6 mm (.063")	108-9116	9,7 mm (.380")	X	X
114,3 mm (4.50")	12,2 mm (.480")	14,7 mm (.580")	108-9293	1,2 mm (.049")			X	X
127,0 mm (5.00")	6,3 mm (.248")	9,1 mm (.360")	108-9108	1,3 mm (.052")	108-9120	5,8 mm (.230")	X	X
127,0 mm (5.00")	8,1 mm (.318")	11,6 mm (.458")	108-9109	1,6 mm (.063")	108-9122	7,1 mm (.280")	X	X
127,0 mm (5.00")	10,3 mm (.406")	13,9 mm (.546")	108-9110	1,6 mm (.063")	108-9124	9,7 mm (.380")	X	X
127,0 mm (5.00")	12,2 mm (.480")	14,7 mm (.580")	108-9294	1,2 mm (.049")			X	X
<i>TITAN SOLID ROUND</i>								
114,3 mm (4.50")	N/A	5,1 mm (.200")	108-9230	-			X	X
114,3 mm (4.50")	N/A	6,3 mm (.250")	108-9231	-			X	X
114,3 mm (4.50")	N/A	7,6 mm (.300")	108-9232	-			X	X
114,3 mm (4.50")	N/A	8,9 mm (.350")	108-9233	-			X	X
139,7 mm (5.50")	N/A	5,1 mm (.200")	108-9234	-			X	X
139,7 mm (5.50")	N/A	6,3 mm (.250")	108-9235	-			X	X
139,7 mm (5.50")	N/A	7,6 mm (.300")	108-9236	-			X	X
139,7 mm (5.50")	N/A	8,9 mm (.350")	108-9237	-			X	X
<i>TITAN SOLID SLICING</i>								
127,0 mm (5.00")	N/A	15,9 mm (.625")	108-9238	-	0.00"		X	X
<i>TITAN CROSS</i>					<i>CROSS MAX</i>			
114,3 mm (4.50")	N/A	9,5 mm (.375")	108-9215	-			X	X
114,3 mm (4.50")	N/A	12,7 mm (.500")	108-9216	-	112-1310	-	X	X
114,3 mm (4.50")	N/A	15,9 mm (.625")	108-9217	-			X	X
139,7 mm (5.50")	N/A	9,5 mm (.375")	108-9218	-			X*	X
139,7 mm (5.50")	N/A	12,7 mm (.500")	108-9219	-	112-1311	-	X*	X
139,7 mm (5.50")	N/A	15,9 mm (.625")	108-9220	-			X*	X

*Only available on GA 30/60 models

TITAN® TINES COMPETITIVE MODELS

1/2" 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®
<i>TITAN QUAD</i>					<i>QUAD MAX</i>			
114,3 mm (4.50")	8,3 mm (.325")	11,6 mm (.458")	112-1316	1,6 mm (.063")	112-1322	7,1 mm (.280")	X	
<i>TITAN SOLID ROUND</i>								
114,3 mm (4.50")	N/A	12,7 mm (.500")	112-1347	N/A			X	
139,7 mm (5.50")	N/A	6,3 mm (.250")	112-1329	N/A			X	
139,7 mm (5.50")	N/A	9,7 mm (.380")	112-1330	N/A			X	
<i>TITAN CROSS</i>								
114,3 mm (4.50")	N/A	12,7 mm (.500")	112-5104	N/A			X	
139,7 mm (5.50")	N/A	12,7 mm (.500")	112-5105	N/A			X*	
<i>TITAN SOLID SLICING</i>								
127,0 mm (5.00")	N/A	15,9 mm (.625")	112-5102	N/A			X	
<i>TITAN QUAD</i>					<i>QUAD MAX</i>			
114,3 mm (4.50")	8,3 mm (.325")	14,7 mm (.580")	112-1316	1,4 mm (.055")	112-1322	7,1 mm (.280")	X	
5/8" 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®
<i>TITAN HOLLOW</i>					<i>HOLLOW MAX</i>			
114,3 mm (4.50")	10,9 mm (.430")	14,2 mm (.560")	112-1306	1,5 mm (.058")	112-1307	9,7 mm (.380")	X	
<i>TITAN SIDE EJECT</i>					<i>SIDE EJECT MAX</i>			
114,3 mm (4.50")	10,9 mm (.430")	14,2 mm (.560")	112-1303	1,5 mm (.058")	112-1304	9,7 mm (.380")	X	
<i>TITAN SOLID ROUND</i>								
114,3 mm (4.50")	N/A	15,9 mm (.625")	112-1348	-			X	
<i>TITAN CROSS</i>								
114,3 mm (4.50")	N/A	12,7 mm (.500")	112-5106	-			X	
139,7 mm (5.50")	N/A	12,7 mm (.500")	112-5107	-			X*	
<i>TITAN SOLID SLICING</i>								
127,0 mm (5.00")	N/A	15,9 mm (.625")	112-5103	-			X	

*Only available on GA 30/60 models

TITAN® TINES COMPETITIVE MODELS

3/4" 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			
120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	108-9128	1,5 mm (.058")	108-9139	7,1 mm (.280")	X	X
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	108-9129	1,5 mm (.058")	108-9141	9,7 mm (.380")	X	X
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	108-9130	1,5 mm (.058")	108-9143	12,2 mm (.480")	X	X
146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	108-9132	1,5 mm (.058")	108-9145	7,1 mm (.280")	X*	X
146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	108-9133	1,5 mm (.058")	108-9147	9,7 mm (.380")	X*	X
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	108-9134	1,5 mm (.058")	108-9149	12,2 mm (.480")	X*	X
TITAN HOLLOW EXT. TAPER					HOLLOW EXT. TAPER MAX			
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	114-0551	1,5 mm (.058")	114-0553	12,0 mm (.473")	X*	X
TITAN SIDE EJECT					SIDE EJECT MAX			
120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	108-9159	1,5 mm (.058")	108-9170	7,1 mm (.280")	X	
120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	108-9160	1,5 mm (.058")	108-9172	9,7 mm (.380")	X	
120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	108-9161	1,5 mm (.058")	108-9174	12,2 mm (.480")	X	
146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	108-9163	1,5 mm (.058")	108-9176	7,1 mm (.280")		X
146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	108-9164	1,5 mm (.058")	108-9178	9,7 mm (.380")		X
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	108-9165	1,5 mm (.058")	108-9180	12,2 mm (.480")		X
TITAN SIDE EJECT EXT. TAPER					SIDE EJECT EXT. TAPER MAX			
146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	114-0555	1,5 mm (.058")	114-0557	12,0 mm (.473")		X
TITAN FAIRWAY HD								
146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	108-9260	3,0 mm (.120")			X*	X
146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	108-9261	3,0 mm (.120")			X*	X
TITAN FAIRWAY								
146,0 mm (5.75")	15,9 mm (.625")	19,6 mm (.770")	104-9876	3,0 mm (.120")				X
146,0 mm (5.75")	19,0 mm (.750")	22,4 mm (.880")	104-9875	3,0 mm (.120")				X
CLASSIC								
120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	59-3690 Discontinued	0,9 mm (.035")			X	X
120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	66-9140	1,2 mm (.049")			X	X
120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	59-3670	1,2 mm (.049")			X	X
146,0 mm (5.75")	12,9 mm (.509")	15,9 mm (.625")	104-0984	1,5 mm (.058")			X*	X
TITAN SOLID ROUND								
114,3 mm (4.50")	N/A	6,3 mm (.250")	108-9198	N/A			X	X
114,3 mm (4.50")	N/A	7,6 mm (.300")	108-9199	N/A			X	X
114,3 mm (4.50")	N/A	8,9 mm (.350")	108-9200	N/A			X	X
114,3 mm (4.50")	N/A	10,2 mm (.400")	108-9201	N/A			X	X
114,3 mm (4.50")	N/A	12,7 mm (.500")	108-9202	N/A			X	X
114,3 mm (4.50")	N/A	15,2 mm (.600")	108-9203	N/A			X	X
139,7 mm (5.50")	N/A	6,3 mm (.250")	108-9204	N/A			X*	X
139,7 mm (5.50")	N/A	7,6 mm (.300")	108-9205	N/A			X*	X
139,7 mm (5.50")	N/A	8,9 mm (.350")	108-9206	N/A			X*	X
139,7 mm (5.50")	N/A	10,2 mm (.400")	108-9207	N/A			X*	X
139,7 mm (5.50")	N/A	12,7 mm (.500")	108-9208	N/A			X*	X
139,7 mm (5.50")	N/A	15,2 mm (.600")	108-9209	N/A			X*	X

*Only available on GA 30/60 models

TITAN® TINES COMPETITIVE MODELS

139,7 mm (5.50")	N/A	19,0 mm (.750")	108-9244	N/A			X*	X
3/4" 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®
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TITAN SOLID SLICING

114,3 mm (4.50")	N/A	19,0 mm (.750")	108-9239	N/A			X	X
139,7 mm (5.50")	N/A	19,0 mm (.750")	108-9240	N/A			X*	X

TITAN CROSS

CROSS MAX

114,3 mm (4.50")	N/A	12,7 mm (.500")	108-9221	N/A	112-1312	-	X	X
114,3 mm (4.50")	N/A	15,9 mm (.625")	108-9222	N/A			X	X
114,3 mm (4.50")	N/A	19,0 mm (.750")	108-9223	N/A			X	X
139,7 mm (5.50")	N/A	12,7 mm (.500")	108-9224	N/A	112-1313	-	X*	X
139,7 mm (5.50")	N/A	15,9 mm (.625")	108-9225	N/A			X*	X
139,7 mm (5.50")	N/A	19,0 mm (.750")	108-9226	N/A			X*	X

7/8" 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®
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TITAN HOLLOW

HOLLOW MAX

120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	108-9190	1,5 mm (.058")	108-9155	12,2 mm (.480")	X*	X
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	108-9191	1,5 mm (.058")			X*	X
146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	108-9192	1,5 mm (.058")	108-9157	12,2 mm (.480")	X*	X
146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	108-9193	1,5 mm (.058")			X*	X

TITAN SIDE EJECT

SIDE EJECT MAX

120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	108-9194	1,5 mm (.058")	108-9186	12,2 mm (.480")	X*	X
120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	108-9195	1,5 mm (.058")			X*	X
146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	108-9196	1,5 mm (.058")	108-9188	12,2 mm (.480")	X*	X
146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	108-9197	1,5 mm (.058")			X*	X

TITAN FAIRWAY HD

146,0 mm (5.75")	16,3 mm (.640")	22,4 mm (.880")	108-9264	3,1 mm (.122")			X*	X
146,0 mm (5.75")	16,3 mm (.640")	25,4 mm (1.00")	108-9265	3,1 mm (.122")			X*	X

TITAN FAIRWAY

120,6 mm (4.75")	16,3 mm (.640")	22,4 mm (.880")	92-7941	3,1 mm (.122")			X	X
146,0 mm (5.75")	16,3 mm (.640")	22,4 mm (.880")	92-7900	3,1 mm (.122")			X*	X
146,0 mm (5.75")	16,3 mm (.640")	25,4 mm (1.00")	104-9877	3,0 mm (.120")			X*	X

CLASSIC

120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	62-4600	1,7 mm (.065")			X*	X
146,0 mm (5.75")	15,2 mm (.600")	19,0 mm (.750")	86-9720	1,7 mm (.065")			X*	X

TITAN SOLID ROUND

139,7 mm (5.50")	N/A	19,0 mm (.750")	108-9246	N/A			X*	X
139,7 mm (5.50")	N/A	22,2 mm (.875")	108-9247	N/A			X*	X

TITAN SOLID SLICING

139,7 mm (5.50")	N/A	19,0 mm (.750")	108-9242	N/A			X*	X
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TITAN CROSS

139,7 mm (5.50")	N/A	22,2 mm (.875")	108-9259	-			X*	X
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*Only available on GA 30/60 models

QUICK REFERENCE

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
<i>TITAN Quad and Max Quad</i>						
12,7 mm (.500")	114,3 mm (4.50")	8,3 mm (.325")	11,6 mm (.458")	1,6 mm (.063")	112-1316	
9,5 mm (.375")	114,3 mm (4.50")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9104	108-9112
9,5 mm (.375")	114,3 mm (4.50")	8,1 mm (.318")	11,6 mm (.458")	1,6 mm (.063")	108-9105	108-9114
9,5 mm (.375")	114,3 mm (4.50")	10,3 mm (.406")	13,9 mm (.546")	1,5 mm (.058")	108-9106	108-9116
9,5 mm (.375")	114,3 mm (4.50")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9293	
9,5 mm (.375")	127,0 mm (5.00")	6,3 mm (.248")	9,1 mm (.360")	1,3 mm (.052")	108-9108	108-9120
9,5 mm (.375")	127,0 mm (5.00")	8,1 mm (.318")	11,6 mm (.458")	1,4 mm (.055")	108-9109	108-9122
9,5 mm (.375")	127,0 mm (5.00")	10,3 mm (.406")	13,9 mm (.546")	1,5 mm (.058")	108-9110	108-9124
9,5 mm (.375")	127,0 mm (5.00")	12,2 mm (.480")	14,7 mm (.580")	1,2 mm (.049")	108-9294	
9,5 mm (.375")	139,7 mm (5.50")	10,3 mm (.406")	14,7 mm (.580")	1,6 mm (.063")	108-9290	

TITAN Hollow and Max Hollow

19,0 mm (.750")	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9128	108-9139
19,0 mm (.750")	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9129	108-9141
19,0 mm (.750")	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9130	108-9143
19,0 mm (.750")	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,4 mm (.055")	108-9132	108-9145
19,0 mm (.750")	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9133	108-9147
19,0 mm (.750")	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9134	108-9149
19,0 mm (.750")	165,1 mm (6.50")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9138	108-9135
19,0 mm (.750")	165,1 mm (6.50")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9136	108-9151
19,0 mm (.750")	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9137	108-9153
15,9 mm (.625")	114,3 mm (4.50")	12,7 mm (.500")	14,2 mm (.560")	1,5 mm (.058")	112-1306	112-1307
22,2 mm (.875")	120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9190	108-9155
22,2 mm (.875")	120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9191	
22,2 mm (.875")	146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9192	108-9157
22,2 mm (.875")	146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9193	

TITAN Hollow Extended Taper and Max Extended Taper

19,0 mm (.750")	146,0 mm (5.75")	11,9 mm (.470")	17,3 mm (.680")	1,5 mm (.058")	114-0553	
19,0 mm (.750")	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0551	114-0553
19,0 mm (.750")	165,1 mm (6.50")	11,9 mm (.470")	17,3 mm (.680")	1,5 mm (.058")	114-0561	
19,0 mm (.750")	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0550	114-0561

TITAN Side Eject and Max Side Eject

19,0 mm (.750")	120,6 mm (4.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9159	108-9170
19,0 mm (.750")	120,6 mm (4.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9160	108-9172
19,0 mm (.750")	120,6 mm (4.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9161	108-9174
19,0 mm (.750")	146,0 mm (5.75")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9163	108-9176
19,0 mm (.750")	146,0 mm (5.75")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9164	108-9178
19,0 mm (.750")	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9165	108-9180
19,0 mm (.750")	165,1 mm (6.50")	7,1 mm (.280")	11,7 mm (.460")	1,5 mm (.058")	108-9162	108-9166
19,0 mm (.750")	165,1 mm (6.50")	10,3 mm (.406")	14,2 mm (.560")	1,5 mm (.058")	108-9167	108-9182
19,0 mm (.750")	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	108-9168	108-9184
15,9 mm (.625")	114,3 mm (4.50")	12,7 mm (.500")	14,2 mm (.560")	1,5 mm (.058")	112-1303	112-1304
22,2 mm (.875")	120,6 mm (4.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9194	108-9186
22,2 mm (.875")	120,6 mm (4.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9195	
22,2 mm (.875")	146,0 mm (5.75")	13,0 mm (.512")	16,8 mm (.660")	1,5 mm (.058")	108-9196	108-9188
22,2 mm (.875")	146,0 mm (5.75")	16,0 mm (.628")	19,3 mm (.760")	1,5 mm (.058")	108-9197	

TITAN Side Eject Extended Taper and Extended Taper Max

19,0 mm (.750")	146,0 mm (5.75")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0555	114-0557
19,0 mm (.750")	165,1 mm (6.50")	13,4 mm (.528")	16,8 mm (.660")	1,5 mm (.058")	114-0558	114-0560

QUICK REFERENCE

	Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
<i>Toro Classic Hollow</i>	19,0 mm (.750")	120,6 mm (4.75")	7,6 mm (.300")	11,1 mm (.438")	0,9 mm (.035")	59-3690 Discontinued	
	19,0 mm (.750")	120,6 mm (4.75")	10,2 mm (.400")	12,7 mm (.500")	1,2 mm (.049")	66-9140	
	19,0 mm (.750")	120,6 mm (4.75")	12,7 mm (.500")	15,9 mm (.625")	1,2 mm (.049")	59-3670	
	19,0 mm (.750")	139,7 mm (5.50")	10,2 mm (.400")	14,2 mm (.560")	1,2 mm (.049")	100-3634	108-9133
	19,0 mm (.750")	146,0 mm (5.75")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	104-0984	
	19,0 mm (.750")	165,1 mm (6.50")	12,9 mm (.509")	15,9 mm (.625")	1,5 mm (.058")	106-8943 Discontinued	
	19,0 mm (.750")	165,1 mm (6.50")	9,9 mm (.390")	12,7 mm (.500")	1,5 mm (.058")	105-1180	
	22,2 mm (.875")	120,6 mm (4.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	62-4600	
	22,2 mm (.875")	146,0 mm (5.75")	15,2 mm (.600")	19,0 mm (.750")	1,7 mm (.065")	86-9720	

TITAN Fairway

19,0 mm (.750")	146,0 mm (5.75")	15,9 mm (.625")	17,8 mm (.700")	2,7 mm (.105")	104-9876	
19,0 mm (.750")	146,0 mm (5.75")	19,0 mm (.750")	20,3 mm (.800")	3,1 mm (.122")	104-9875	
22,2 mm (.875")	120,6 mm (4.75")	16,1 mm (.635")	22,4 mm (.880")	3,1 mm (.122")	92-7941	
22,2 mm (.875")	146,0 mm (5.75")	19,0 mm (.750")	22,4 mm (.880")	3,1 mm (.122")	92-7900	
22,2 mm (.875")	146,0 mm (5.75")	22,2 mm (.875")	25,4 mm (1.00")	3,1 mm (.122")	104-9877	

TITAN HD Fairway

19,0 mm (.750")	146,0 mm (5.75")	12,95 mm (.510")	19,6 mm (.770")	3,0 mm (.120")	108-9260	
19,0 mm (.750")	146,0 mm (5.75")	12,95 mm (.510")	22,4 mm (.880")	3,0 mm (.120")	108-9261	
22,2 mm (.875")	146,0 mm (5.75")	19,0 mm (.750")	22,4 mm (.880")	3,1 mm (.122")	108-9264	
22,2 mm (.875")	146,0 mm (5.75")	22,2 mm (.875")	25,4 mm (1.00")	3,1 mm (.122")	108-9265	

TITAN Split Tine

19,0 mm (.750")	146,0 mm (5.75")	16,1 mm (.635")	22,4 mm (.880")	3,0 mm (.120")	112-5121	
22,2 mm (.875")	146,0 mm (5.75")	15,2 mm (.600")	22,4 mm (.880")	3,0 mm (.120")	112-5122	
22,2 mm (.875")	146,0 mm (5.75")	17,8 mm (.700")	25,4 mm (1.00")	3,0 mm (.120")	112-5123	

TITAN Solid Round

12,7 mm (.500")	114,3 mm (4.50")	-	12,7 mm (.500")	-	112-1347	
12,7 mm (.500")	127,0 mm (5.00")	-	6,3 mm (.250")	-	112-1329	
12,7 mm (.500")	127,0 mm (5.00")	-	8,9 mm (.350")	-	112-1330	
19,0 mm (.750")	114,3 mm (4.50")	-	6,3 mm (.250")	-	108-9198	
19,0 mm (.750")	114,3 mm (4.50")	-	7,6 mm (.300")	-	108-9199	
19,0 mm (.750")	114,3 mm (4.50")	-	8,9 mm (.350")	-	108-9200	
19,0 mm (.750")	114,3 mm (4.50")	-	10,2 mm (.400")	-	108-9201	
19,0 mm (.750")	114,3 mm (4.50")	-	12,7 mm (.500")	-	108-9202	
19,0 mm (.750")	114,3 mm (4.50")	-	15,2 mm (.600")	-	108-9203	
19,0 mm (.750")	139,7 mm (5.50")	-	6,3 mm (.250")	-	108-9204	
19,0 mm (.750")	139,7 mm (5.50")	-	7,6 mm (.300")	-	108-9205	
19,0 mm (.750")	139,7 mm (5.50")	-	8,9 mm (.350")	-	108-9206	
19,0 mm (.750")	139,7 mm (5.50")	-	10,2 mm (.400")	-	108-9207	
19,0 mm (.750")	139,7 mm (5.50")	-	12,7 mm (.500")	-	108-9208	
19,0 mm (.750")	139,7 mm (5.50")	-	15,2 mm (.600")	-	108-9209	
19,0 mm (.750")	139,7 mm (5.50")	-	19,0 mm (.750")	-	108-9244	
19,0 mm (.750")	165,1 mm (6.50")	-	7,6 mm (.300")	-	108-9210	
19,0 mm (.750")	165,1 mm (6.50")	-	8,9 mm (.350")	-	108-9211	
19,0 mm (.750")	165,1 mm (6.50")	-	10,2 mm (.400")	-	108-9212	
19,0 mm (.750")	165,1 mm (6.50")	-	12,7 mm (.500")	-	108-9213	
19,0 mm (.750")	165,1 mm (6.50")	-	15,2 mm (.600")	-	108-9214	
19,0 mm (.750")	165,1 mm (6.50")	-	19,0 mm (.750")	-	108-9245	
9,5 mm (.375")	114,3 mm (4.50")	-	5,1 mm (.200")	-	108-9230	
9,5 mm (.375")	114,3 mm (4.50")	-	6,3 mm (.250")	-	108-9231	
9,5 mm (.375")	114,3 mm (4.50")	-	7,6 mm (.300")	-	108-9232	
9,5 mm (.375")	114,3 mm (4.50")	-	8,9 mm (.350")	-	108-9233	
9,5 mm (.375")	139,7 mm (5.50")	-	5,1 mm (.200")	-	108-9234	
9,5 mm (.375")	139,7 mm (5.50")	-	6,3 mm (.250")	-	108-9235	
9,5 mm (.375")	139,7 mm (5.50")	-	7,6 mm (.300")	-	108-9236	
9,5 mm (.375")	139,7 mm (5.50")	-	8,9 mm (.350")	-	108-9237	
15,9 mm (.625")	114,3 mm (4.50")	-	15,9 mm (.625")	-	112-1348	
22,2 mm (.875")	139,7 mm (5.50")	-	19,0 mm (.750")	-	108-9246	
22,2 mm (.875")	139,7 mm (5.50")	-	22,2 mm (.875")	-	108-9247	
22,2 mm (.875")	165,1 mm (6.50")	-	19,0 mm (.750")	-	108-9248	
22,2 mm (.875")	165,1 mm (6.50")	-	22,2 mm (.875")	-	108-9249	

QUICK REFERENCE

	Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
<i>TITAN Solid Slicing</i>							
	12,7 mm (.500")	127,0 mm (5.00")	-	15,9 mm (.625")	-	112-5102	
	19,0 mm (.750")	114,3 mm (4.50")	-	19,0 mm (.750")	-	108-9239	
	19,0 mm (.750")	139,7 mm (5.50")	-	19,0 mm (.750")	-	108-9240	
	19,0 mm (.750")	165,1 mm (6.50")	-	19,0 mm (.750")	-	108-9241	
	9,5 mm (.375")	127,0 mm (5.00")	-	15,9 mm (.625")	-	108-9238	
	15,9 mm (.625")	127,0 mm (5.00")	-	15,9 mm (.625")	-	112-5103	
	22,2 mm (.875")	139,7 mm (5.50")	-	19,0 mm (.750")	-	108-9242	
	22,2 mm (.875")	165,1 mm (6.50")	-	19,0 mm (.750")	-	108-9243	

TITAN Cross and Max Cross

	12,7 mm (.500")	114,3 mm (4.50")	-	12,7 mm (.500")	-	112-5104	
	12,7 mm (.500")	139,7 mm (5.50")	-	12,7 mm (.500")	-	112-5105	
	9,5 mm (.375")	139,7 mm (5.50")	-	15,9 mm (.625")	-	108-9220	
	19,0 mm (.750")	114,3 mm (4.50")	-	12,7 mm (.500")	-	108-9221	112-1312
	19,0 mm (.750")	114,3 mm (4.50")	-	15,9 mm (.625")	-	108-9222	
	19,0 mm (.750")	114,3 mm (4.50")	-	19,0 mm (.750")	-	108-9223	
	19,0 mm (.750")	139,7 mm (5.50")	-	12,7 mm (.500")	-	108-9224	112-1313
	19,0 mm (.750")	139,7 mm (5.50")	-	15,9 mm (.625")	-	108-9225	
	19,0 mm (.750")	139,7 mm (5.50")	-	19,0 mm (.750")	-	108-9226	
	19,0 mm (.750")	165,1 mm (6.50")	-	12,7 mm (.500")	-	108-9227	112-1314
	19,0 mm (.750")	165,1 mm (6.50")	-	15,9 mm (.625")	-	108-9228	
	19,0 mm (.750")	165,1 mm (6.50")	-	19,0 mm (.750")	-	108-9229	
	9,5 mm (.375")	114,3 mm (4.50")	-	9,5 mm (.375")	-	108-9215	
	9,5 mm (.375")	114,3 mm (4.50")	-	12,7 mm (.500")	-	108-9216	112-1310
	9,5 mm (.375")	114,3 mm (4.50")	-	15,9 mm (.625")	-	108-9217	
	9,5 mm (.375")	139,7 mm (5.50")	-	9,5 mm (.375")	-	108-9218	
	9,5 mm (.375")	139,7 mm (5.50")	-	12,7 mm (.500")	-	108-9219	112-1311
	9,5 mm (.375")	139,7 mm (5.50")	-	15,9 mm (.625")	-	108-9220	
	15,9 mm (.625")	114,3 mm (4.50")	-	12,7 mm (.500")	-	112-5106	
	15,9 mm (.625")	139,7 mm (5.50")	-	12,7 mm (.500")	-	112-5107	
	22,2 mm (.875")	139,7 mm (5.50")	-	22,2 mm (.875")	-	108-9259	

TITAN Needle

	Needle	163,3 mm (6.43")	-	5,0 mm (.197")	-	100-3620	
	Needle	127,0 mm (5.00")	-	8,0 mm (.315")	-	100-3621	
	Needle	137,9 mm (5.43")	-	5,0 mm (.197")	-	100-3319	

QUICK REFERENCE

Mount	Length	ID	OD	Wall Thickness	Part Number	Titan® Max Part Number
<i>ProCore SR Series Deep Tine Aerators</i>						
7,9 mm (.3125")	254,0 mm (10.00")	-	7,9 mm (.3125")	SGS08313	SGA08313	
7,9 mm (.3125")	215,9 mm (8.50")	-	7,9 mm (.3125")	SGS07313	SGA08313	
9,5 mm (.375")	273,1 mm (10.75")	-	9,5 mm (.375")	SGS08375	SGA12375	
9,5 mm (.375")	273,1 mm (10.75")	-	9,5 mm (.375")	SGS10374	SGA12375	
9,5 mm (.375")	311,2 mm (12.25")	-	9,5 mm (.375")	SGS10375	SGA12375	
9,5 mm (.375")	139,7 mm (5.50")	9,5 mm (.375")	12,7 mm (.500")	SGC05550	SGA10375	
12,0 mm (.472") Long	254,0 mm (10.00")	19,0 mm (.750")	19,0 mm (.750")	SGC10755		SGT10750
12,0 mm (.472") Long	254,0 mm (10.00")	19,0 mm (.750")	20,6 mm (.810")	SGC10813H		SGT10813H
12,0 mm (.472") Long	177,8 mm (7.00")	15,9 mm (.625")	17,4 mm (.687")	SGC07625		SGT07625
12,0 mm (.472") Long	177,8 mm (7.00")	19,0 mm (.750")	20,7 mm (.813")	SGC07750		SGT07750
12,0 mm (.472")	273,1 mm (10.75")	-	12,0 mm (.472")	SGS10504		
12,0 mm (.472")	311,2 mm (12.25")	-	12,0 mm (.472")	SGS10500		
12,0 mm (.472")	361,9 mm (14.25")	-	12,0 mm (.472")	SGS12500		
12,0 mm (.472")	412,8 mm (16.25")	-	12,0 mm (.472")	SGS14500		
12,0 mm (.472")	203,2 mm (8.00")	-	12,0 mm (.472")	SGS08500		
12,0 mm (.472")	254,0 mm (10.00")	19,0 mm (.750")	19,0 mm (.750")	SGC10754		SGT10750
12,0 mm (.472")	177,8 mm (7.00")	12,7 mm (.500")	17,4 mm (.687")	SGC07624		SGT07625
12,0 mm (.472")	177,8 mm (7.00")	19,0 mm (.750")	20,7 mm (.813")	SGC07754		SGT07750
18,0 mm (.709") Long	254,0 mm (10.00")	19,0 mm (.750")	19,0 mm (.750")	SGC10750		SGT10750
18,0 mm (.709") Long	254,0 mm (10.00")	25,4 mm (1.00")	25,4 mm (1.00")	SGC10100S		SGT10100S
18,0 mm (.709") Long	254,0 mm (10.00")	25,4 mm (1.00")	26,9 mm (1.06")	SGC10100H		SGT10100H
18,0 mm (.709") Long	304,8 mm (12.00")	33,3 mm (1.31")	31,7 mm (1.25")	SGC12125		SGT12125
18,0 mm (.709") Long	203,2 mm (8.00")	25,4 mm (1.00")	26,9 mm (1.06")	SGC08100H		SGT08100H
18,0 mm (.709") Long	203,2 mm (8.00")	33,3 mm (1.31")	31,7 mm (1.25")	SGC08125		SGT08125
18,0 mm (.709")	311,2 mm (12.25")	-	18,0 mm (.709")	SGS10750		
18,0 mm (.709")	317,5 mm (12.50")	-	22,2 mm (.875")	SGS10875		
18,0 mm (.709")	355,6 mm (14.00")	-	22,2 mm (.875")	SGS12875		
18,0 mm (.709")	361,9 mm (14.25")	-	18,0 mm (.709")	SGS12750		
18,0 mm (.709")	406,4 mm (16.00")	-	22,2 mm (.875")	SGS14875		
18,0 mm (.709")	412,8 mm (16.25")	-	18,0 mm (.709")	SGS14750		
22,2 mm (.875")	304,8 mm (12.00")	33,3 mm (1.31")	31,7 mm (1.25")	SGC12123		SGT12125
22,2 mm (.875")	203,2 mm (8.00")	33,3 mm (1.31")	31,7 mm (1.25")	SGC08123		SGT08125
22,2 mm (.875")	317,5 mm (12.50")	-	22,2 mm (.875")	SGS10876		
22,2 mm (.875")	355,6 mm (14.00")	-	22,2 mm (.875")	SGS12876		
22,2 mm (.875")	400,0 mm (15.75")	-	22,2 mm (.875")	SGS14876		
22,2 mm (.875")	454,2 mm (17.88")	-	25,4 mm (1.00")	SGS16100		

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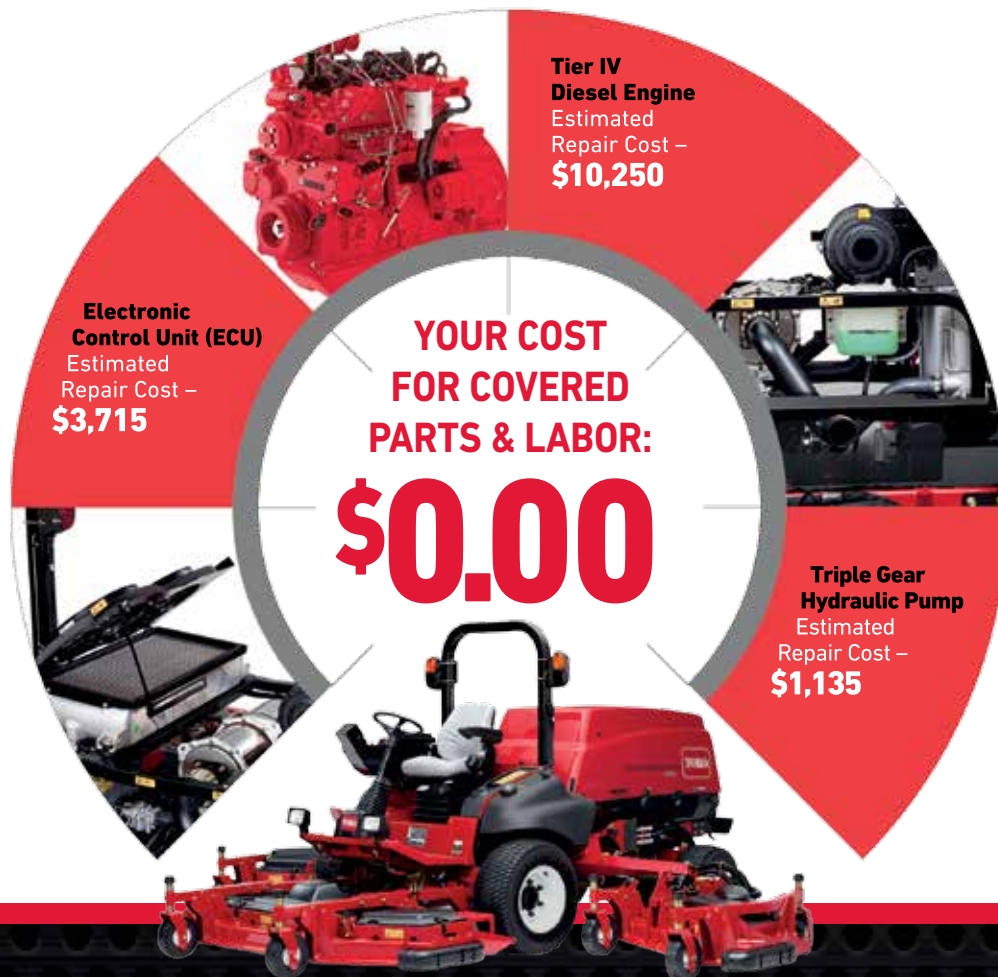
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