

Augers

For skid-steer loaders, compact tractors, mini compact loaders, excavators, mini excavators, tractor loader backhoes and telehandlers



PALADIN LIGHT CONSTRUCTION

FEATURES:

- 5 to 60 GPM available
- augers available up to 48" diameter
- wide variety of auger diameters, lengths and style for every digging application
- extensions available for deeper digging
- various mounts available for most applications
- planetary and chain reduction auger drives available
- 2 speed auger drive available
- 2 year warranty; up to 3 years additional planetary warranty



75 Series Auger Drives

X975, X1475, X1975, X2475 & 3K2

2 Year Comprehensive Warranty

The 75 Series Offers a 5 Year "No Hassle" Planetary Gearbox Warranty

All 75 Series hydraulic motor drives the auger through a sealed planetary gear reduction. The heavy duty all gear design gives these units a long life with minimal maintenance and service costs. 75 Series drive units are completely sealed with all moving components running in oil for total lubrication on a constant basis. All models feature reverse rotation for quick backout when obstructions are encountered. The systems' hydraulic relief valve protects the units from damage when the auger hits large immovable objects.

NOTE: Output shaft options 2" (51 mm) round 2-9/16" (65 mm) round 2" (51 mm) hexagon

Model X975							
maximum auger diameter		24"		610 mm			
minimum hydraulic flow		6 GPM		30 lpm			
maximum hydraulic flow		15 GPM		57 lpm			
maximum continuous operating PSI		3000 PSI		207 bar			
output shaft options:		2" round, 2-9/16" round 2" hex					
output speed			output torque				
flow	speed		pressure		torque		
GPM	LPM	= RPM	PSI	Bar	= Lb-Ft	N·m	
6	23	36	2000	141	1000	1356	
8	30	47	2500	176	1277	1731	
10	38	60	3000	211	1500	2034	
12	45	71					
15	57	89					

Model X1475							
maximum auger diameter		30"		762 mm			
minimum hydraulic flow		10 GPM		38 lpm			
maximum hydraulic flow		25 GPM		95 lpm			
maximum continuous operating PSI		3000 PSI		207 bar			
output shaft options:		2" round, 2-9/16" round, 2" hex					
output speed			output torque				
flow	speed		pressure		torque		
GPM	LPM	= RPM	PSI	Bar	= Lb-Ft	N·m	
10	38	38	2000	138	1600	2169	
12	45	45	2500	172	2000	2712	
14	53	53	3000	207	2377	3223	
16	61	60					
18	68	68					
20	76	75					
25	95	94					

Model X1975							
maximum auger diameter		36"		914 mm			
minimum hydraulic flow		15 GPM		57 lpm			
maximum hydraulic flow		30 GPM		114 lpm			
maximum continuous operating PSI		3000 PSI		207 bar			
output shaft options:		2" round, 2-9/16" round, 2" hex					
output speed			output torque				
flow	speed		pressure		torque		
GPM	LPM	= RPM	PSI	Bar	= Lb-Ft	N·m	
15	57	49	2000	138	1856	2516	
18	68	58	2500	172	2328	3156	
20	76	65	3000	207	2769	3754	
22	83	71					
24	91	78					
26	98	84					
28	106	90					
30	114	97					

Model X2475							
maximum auger diameter		36"		914 mm			
minimum hydraulic flow		20 GPM		76 lpm			
maximum hydraulic flow		35 GPM		132 lpm			
maximum continuous operating PSI		3000 PSI		207 bar			
output shaft options:		2" round, 2-9/16" round, 2" hex					
output speed			output torque				
flow	speed		pressure		torque		
GPM	LPM	= RPM	PSI	Bar	= Lb-Ft	N·m	
20	76	52	2000	141	2308	3129	
22	83	57	2500	176	2895	3925	
24	91	63	3000	211	3451	4686	
26	98	68					
28	106	78					
30	114	68					
35	132	73					

The 3K2 - 2 speed auger drive offers one drive for maximum productivity in changing soil and job site conditions and up to twice the productivity of single speed drives for less than 20% initial additional investment.

Model 3K2 (Two Speed)							
				high speed/low torque		15 GPM	20 RPM
						57 (lpm)	(76 lpm)
maximum auger diameter		36" 914 mm		auger RPM		59 81	
minimum hydraulic flow		10 GPM 38 lpm		torque ft. lbs. @ 3000 PSI		2,053 2,053	
maximum hydraulic flow		25 GPM 95 lpm		low speed/high torque			
max. continuous operating PSI		3000 PSI 207 bar		auger RPM		37 48	
output shaft options:		2-9/16" round 2" hex		torque ft. lbs. @ 3000 PSI		2,923 2,923	
		(manual & electric shift available)					

Output speed and torque specifications are based on theoretical values and are provided for comparative purposes only.

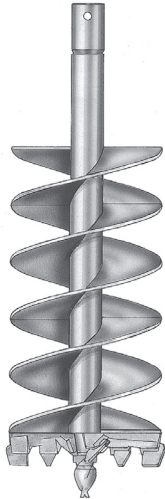
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Augers

2 year warranty on all Augers

Heavy Duty - HDC Style Augers

For difficult ground conditions, compacted soils, heavy clay, asphalt, frozen ground & fracturable rock



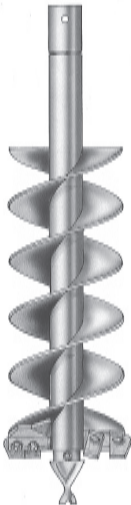
Diameter IN	MM	Tooth QTY
8"	203	4
9"	229	4
10"	254	4
12"	305	4
15"	381	6
16"	406	6
18"	457	6
20"	508	6
24"	610	8
30"	762	10
36"	914	12
42"	1067	16
48"	1219	18

HDC Features:

- heavy duty cast steel boring head
- hardened drive-in gage teeth (outside positions)
- hardened drive-in wisdom teeth (inside positions)
- hardened fishtail point
- heavy-duty, double flighting
- collars available in 2" round, 2-9/16" round, and 2" hex
- available in 3', 4', 5' & 6' lengths

Medium Duty - HDF Style Augers

For light to moderate ground conditions



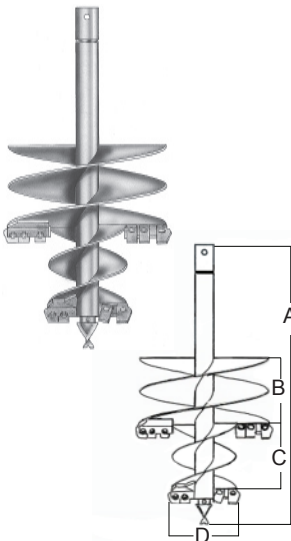
Diameter IN	MM	Tooth QTY
6"	152	2
8"	203	2
9"	229	3
10"	254	3
12"	305	4
15"	381	5
16"	406	5
18"	457	6
20"	507	6
24"	610	8
30"	762	9
36"	914	11

HDF Features:

- fabricated boring head
- hardened bolt-on gage teeth (outside positions)
- hardened bolt-on wisdom teeth (inside positions)
- hardened fishtail point
- heavy duty double flighting
- collars available in 2" round, 2-9/16" round, and 2" hex
- available in 3', 4', 5' & 6' lengths

HTF Style Auger - Tree Auger

For tree and shrub planting



Diameter IN	MM	Tooth QTY	Auger Size	Dimensional Information			
				A overall	B flighting	C flighting	D Pilot Dia.
18"	457	7	4'	48"	18"	7"	9"
24"	610	10	4'	48"	12"	12"	12"
30"	762	11	4'	48"	15"	8"	15"
36"	914	13	4'	48"	18"	6"	18"
42"	1067	15	4'	48"	11"	6"	18"
48"	1219	17	4'	48"	12"	6"	24"

HTF Features:

- 2 diameter design
- fabricated boring head
- hardened bolt-on gage teeth (outside positions)
- hardened bolt-on wisdom teeth (inside positions)
- hardened fishtail point
- heavy-duty double flighting
- collars available in 2" round, 2-9/16" round, and 2" hex
- available in 4' length

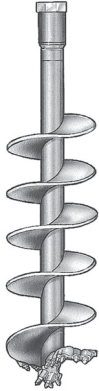
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Augers

2 year warranty available

Rock Augers - Bullet Tooth Style

For solid, fracturable rock, frozen ground & compacted soils



Diameter		Tooth
IN	MM	QTY
6"	152	6
9"	229	8
10"	254	8
12"	305	12
16"	406	16
18"	457	18
20"	508	20
24"	610	24
30"	762	30
36"	914	36

Rock Auger Features:

- bullet style teeth
- fabricated boring head
- heavy duty single flighting
- 2" hexagon collar **ONLY**
- available in 4' length
- 3/4" thick bottom flight
- hardfaced outer edge

Agricultural PTO Augers

Designed to fit all PTO drive units with 2" round output shafts



Diameter		Tooth
IN	MM	QTY
6"	152	2
9"	229	2
12"	305	4
14"	325	5
18"	457	6
24" tree	610	9

Agricultural PTO Auger Features:

- fabricated boring head
- hardened bolt-on gage teeth (outside)
- hardened bolt-on wisdom teeth (inside)
- hardened fishtail point
- heavy-duty double flighting
- PTO augers available in 42"/48" length

Medium Duty - MDF Style Augers

For light to moderate ground conditions

MDF Auger Features:

- fabricated boring head
- outside bolt-on gage teeth & wisdom teeth
- standard or carbide teeth and point available
- heavy-duty, 5/16" thick flighting
- available with standard or carbide wear components
- heavy-duty center shaft, 3 3/4" tubing x 5/16" wall
- collars available in 2 1/2" hexagon and 2-5/8" hexagon



Heavy Duty - MDC Style Augers

For difficult ground conditions, compacted soils, heavy clay, asphalt, frozen ground & fracturable rock

MDC Auger Features:

- heavy-duty cast steel boring head
- outside drive-in gage teeth & inside wisdom teeth
- standard or carbide teeth and point available
- heavy-duty, 5/16" thick flighting
- available with standard or carbide wear components
- heavy-duty center shaft, 3 3/4" tubing x 5/16" wall
- collars available in 2 1/2" hexagon and 2-5/8" hexagon



Diameter		Flighting	Tooth	Overall
IN	MM	Length	QTY	Length
8"	203	40" or 60"	2	103"
9"	229	40" or 60"	2	103"
10"	254	40" or 60"	2	103"
12"	305	40" or 60"	4	103"
14"	325	40" or 60"	4	103"
16"	406	40" or 60"	4	103"
18"	457	40" or 60"	6	103"
20"	508	40" or 60"	6	103"
24"	610	40" or 60"	7	103"
30"	762	40" or 60"	8	103"
36"	914	40" or 60"	8	103"
42"	1067	40" or 60"	10	103"
48"	1219	40" or 60"	13	103"

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Auger Accessories

Auger Adaptors

Output Shaft Size			Collar Opening Size		
IN	Type	MM	IN	Type	MM
2"	round	51	2"	hexagon	51
2"	hexagon	51	2"	round	51
2"	round	51	2-9/16"	round	65
2-9/16"	round	65	2"	round	51
2"	hexagon	51	2-9/16"	round	65
2-9/16"	round	65	2"	hexagon	51
2"	hexagon	51	2½"	hexagon	64
2½"	hexagon	64	2"	hexagon	51

Adaptors couple McMillen® Drive Units to competitive augers or McMillen Augers to competitive drive units. Determine drive unit output shaft and collar opening sizes and types (round or hexagon) to select proper adaptor.

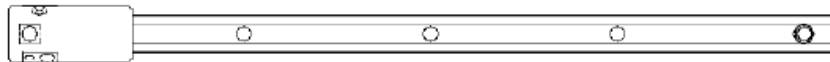
Fixed Length Auger Extensions



Ext. Length	2"	2-9/16"	2"	2½"	2-5/8"
IN	MM	round	round	hex	hex
12"	305	R2	R256	H2	
18"	457	R2	R256	H2	
24"	610	R2	R256	H2	
48"	1219	R2	R256	H2	
72"	1829	R2	R256	H2	H25 H265

Fixed length auger extensions extended the augers digging depth to exactly the length of the extension. McMillen® Fixed Length Extensions are available with 2" round, 2-9/16" round, 2" hexagon, 2½" hexagon, or 2-5/8" hexagon collars. These extensions do not store within the auger.

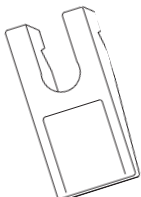
Variable Length Auger Extensions



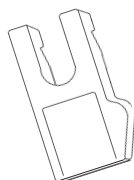
Ext. Length	2"	2-9/16"	2"	2½"	2-5/8"
IN	MM	round	round	hex	hex
12"	305	R2	R256	H2	
18"	457	R2	R256	H2	
24"	610	R2	R256	H2	
48"	1219	R2	R256	H2	
72"	1829	R2	R256	H2	H25 H265

Variable length auger extensions store inside the center tube of the augers that are 10" diameter or larger. Extension increments are every 6" on 12" through 24" extensions and every 12" on 48" and 72" extensions. Variable Length Extensions are available with 2" round, 2-9/16" round, 2" hexagon, 2½" hexagon, or 2-5/8" hexagon collars.

Wisdom Tooth
(part #22168)



Gage Tooth
(part #22169)



Fishtail (female)
(part #22171)



Fishtail (male)
(part #22190)



Carbide Tooth
(part #22186)



Chisel Tooth
(part #22181)



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