



PALADIN
MCMILLEN

AUGERS

**Selection,
Innovation,
Performance**

Your One-Stop Shop
for Hydraulic Tools
and Attachments



STANLEY
Infrastructure

INDUSTRIAL TOOLS & ATTACHMENTS

 **PALADIN**  **STANLEY**  **LABOUNTY**  **PENGO**

AUGER DRIVES - D450, X900, X1500, X1500

The **McMillen® Auger Drives** by Paladin, feature a wide variety of auger diameters, lengths and style for every digging application. Comes with various mounts available for most applications.

- 5 to 60 GPM available
- Extensions available for deeper digging
- Augers available up to 48" diameter
- Planetary reduction auger drives
- 2 speed auger drives available
- Fully welded flighting for added auger strength

D450 Features:

- Direct drive
- Maximum output torque 704 lb-ft.
- 12" maximum auger diameter
- 2" round output shaft

X900 Features:

- Available for mini loaders
- Maximum output torque 1029 lb-ft.
- 2-9/16" round output shaft
- Dual pivot with lockout pin to
- Single pivot
- Maximum 3,000 PSI
- 15" maximum auger diameter

X1500 Features:

- Available for mini loaders
- Maximum output torque 1998 lb-ft.
- 2-9/16" round output shaft
- Dual pivot with lockout pin to single pivot
- Maximum 3,000 PSI
- 30" maximum auger diameter

SPECIFICATIONS		D450
Maximum auger diameter	12"	30.5 mm
Minimum hydraulic flow	5 GPM	19 LPM
Maximum hydraulic flow	10 GPM	38 LPM
Maximum Continuous Operating PSI	3000 PSI	207 bar
Output shaft options	2" round	51 mm

SPECIFICATIONS		X900 (PLANETARY)
Maximum auger diameter	15"	381 mm
Minimum hydraulic flow	8 GPM	23 LPM
Maximum hydraulic flow	16 GPM	57 LPM
Maximum Continuous Operating PSI	3000 PSI	207 bar
Output shaft options	2 9/16" round	65 mm

SPECIFICATIONS		X1500 (PLANETARY)
Maximum auger diameter	30"	762 mm
Minimum hydraulic flow	8 GPM	30 LPM
Maximum hydraulic flow	16 GPM	61 LPM
Maximum Continuous Operating PSI	3000 PSI	207 bar
Output shaft options	2 9/16" round	65 mm

OUTPUT SPEED		FLOW	SPEED
5 GPM	19 LPM	65 RPM	
6 GPM	23 LPM	78 RPM	
7 GPM	26 LPM	91 RPM	
8 GPM	30 LPM	104 RPM	
9 GPM	34 LPM	117 RPM	
10 GPM	38 LPM	130 RPM	

OUTPUT SPEED		FLOW	SPEED
8 GPM	30 LPM	61 RPM	
10 GPM	38 LPM	76 RPM	
12 GPM	45 LPM	91 RPM	
14 GPM	53 LPM	106 RPM	
16 GPM	61 LPM	121 RPM	

OUTPUT TORQUE		PRESSURE	TORQUE
2000 PSI	138 BAR	470 lb. ft.	637 N. m.
2500 PSI	172 BAR	587 lb. ft.	796 N. m.
3000 PSI	207 BAR	516 lb. ft.	700 N. m.

OUTPUT TORQUE		PRESSURE	TORQUE
2000 PSI	138 BAR	671 lb. ft.	910 N. m.
2500 PSI	172 BAR	849 lb. ft.	1151 N. m.
3000 PSI	207 BAR	1029 lb. ft.	1395 N. m.

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



AUGER DRIVES - 75D SERIES

All 75D 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. 75D 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.



SPECIFICATIONS		X975D
Maximum auger diameter		24"
Minimum hydraulic flow		6 GPM
Maximum hydraulic flow		15 GPM
Max. Continuous Operating PSI		3500 PSI
Output shaft options		2 7/8" round, and 2" hex
		65 mm, 51 mm

OUTPUT SPEED		FLOW	SPEED
		23 LPM	38 RPM
		30 LPM	50 RPM
		38 LPM	63 RPM
		45 LPM	75 RPM
		57 LPM	94 RPM

OUTPUT TORQUE		TORQUE
2000 PSI	11 BAR	1000 ft. lbs. 1356 N. m.
2500 PSI	176 BAR	1277 ft. lbs. 1731 N. m.
3000 PSI	211 BAR	1500 ft. lbs. 2034 N. m.
3500 PSI	241 BAR	1713 ft. lbs. 2330 N. m.

SPECIFICATIONS		X4475D
Maximum auger diameter		30"
Minimum hydraulic flow		10 GPM
Maximum hydraulic flow		25 GPM
Max. Continuous Operating PSI		3500 PSI
Output shaft options		2 7/8" round, and 2" hex
		65 mm, 51 mm

OUTPUT SPEED		FLOW	SPEED
		10 GPM	38 RPM
		12 GPM	49 RPM
		14 GPM	57 RPM
		15 GPM	61 RPM
		20 GPM	79 RPM
		25 GPM	104 RPM

OUTPUT TORQUE		TORQUE
2000 PSI	138 BAR	1600 ft. lbs. 2169 N. m.
2500 PSI	172 BAR	2000 ft. lbs. 2712 N. m.
3000 PSI	207 BAR	2377 ft. lbs. 3223 N. m.
3500 PSI	241 BAR	2630 ft. lbs. 3577 N. m.

SPECIFICATIONS		X1975D
Maximum auger diameter		36"
Minimum hydraulic flow		15 GPM
Maximum hydraulic flow		30 GPM
Max. Continuous Operating PSI		3500 PSI
Output shaft options		2 7/8" round, and 2" hex
		65 mm, 51 mm

OUTPUT SPEED		FLOW	SPEED
		15 GPM	57 RPM
		18 GPM	68 RPM
		20 GPM	76 RPM
		24 GPM	91 RPM
		28 GPM	106 RPM
		30 GPM	114 RPM

OUTPUT TORQUE		TORQUE
2000 PSI	138 BAR	1856 ft. lbs. 2516 N. m.
2500 PSI	172 BAR	2328 ft. lbs. 3156 N. m.
3000 PSI	207 BAR	2769 ft. lbs. 3754 N. m.
3500 PSI	241 BAR	3044 ft. lbs. 4140 N. m.

SPECIFICATIONS		X2475D
Maximum auger diameter		36"
Minimum hydraulic flow		20 GPM
Maximum hydraulic flow		35 GPM
Max. Continuous Operating PSI		3500 PSI
Output shaft options		2 7/8" round, and 2" hex
		65 mm, 51 mm

OUTPUT SPEED		FLOW	SPEED
		20 GPM	76 RPM
		22 GPM	83 RPM
		24 GPM	91 RPM
		26 GPM	98 RPM
		28 GPM	106 RPM
		30 GPM	114 RPM

OUTPUT TORQUE		TORQUE
2000 PSI	138 BAR	2308 ft. lb. 3129 N. m.
2500 PSI	172 BAR	2895 lb. ft. 3925 N. m.
3000 PSI	207 BAR	3451 lb. ft. 4686 N. m.
3500 PSI	241 BAR	3821 ft. lbs. 5196 N. m.

SPECIFICATIONS		X3575
Maximum auger diameter		48"
Minimum hydraulic flow		24 GPM
Maximum hydraulic flow		30 GPM
Max. Continuous Operating PSI		2500 PSI
Output shaft options		2" hex
		51 mm

OUTPUT SPEED		FLOW	SPEED
		24 GPM	91 RPM
		27 GPM	102 RPM
		30 GPM	114 RPM

OUTPUT TORQUE		TORQUE
2500 PSI	172 BAR	3566 lb. ft. 4834 N. m.
3000 PSI	207 BAR	4279 lb. ft. 5801 N. m.

Output speed and torque specifications are based on theoretical values and are provided for comparative purposes only. Specifications and design are subject to change without notice and without liability, therefore, whenever applicable specifications are in accordance with SAE standards.

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2-SPEED DRIVE - 3K2 & 8K2

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. Designed for digging fence posts fast - allows for quick clean out and on to the next hole.



SPECIFICATIONS		3K2
Maximum auger diameter		36"
Minimum hydraulic flow		10 GPM
Maximum hydraulic flow		25 GPM
Maximum Continuous Operating PSI		3000 PSI
Output shaft options		2 3/4" round, and 2" hex (manual and electric shift available)
		65 mm, 51 mm

OUTPUT SPEED		FLOW		SPEED	
		HIGH SPEED / LOW TORQUE		HIGH SPEED / LOW TORQUE	
		15 GPM	57 LPM	59 RPM	81 RPM
		20 GPM	76 LPM		
		LOW SPEED / HIGH TORQUE		LOW SPEED / HIGH TORQUE	
		15 GPM	57 LPM	37 RPM	
		20 GPM	76 LPM	48 RPM	

OUTPUT TORQUE		PRESSURE		TORQUE	
		HIGH SPEED / LOW TORQUE		HIGH SPEED / LOW TORQUE	
		3000 PSI	207 BAR	2053 lb. ft.	2784 N.m.
		3000 PSI	207 BAR	2053 lb. ft.	2784 N.m.
		LOW SPEED / HIGH TORQUE		LOW SPEED / HIGH TORQUE	
		3000 PSI	207 BAR	2923 lb. ft.	3963 N.m.
		3000 PSI	207 BAR	2923 lb. ft.	3963 N.m.



SPECIFICATIONS		8K2
Maximum auger diameter		48"
Minimum hydraulic flow		30 GPM
Maximum hydraulic flow		45 GPM
Maximum Continuous Operating PSI		3800 PSI
Output shaft options		2.5" hex
		65 mm, 51 mm

OUTPUT SPEED		LOW SPEED		HIGH SPEED	
		FLOW		FLOW	
		30 GPM	33 RPM	30 GPM	49 RPM
		35 GPM	38 RPM	35 GPM	57 RPM
		45 GPM	49 RPM	45 GPM	73 RPM

OUTPUT TORQUE		LOW SPEED		HIGH SPEED	
		PRESSURE		PRESSURE	
		3500 PSI	9092 lb. ft.	3500 PSI	6081 lb. ft.
		3770 PSI	9793 lb. ft.	3770 PSI	6529 lb. ft.
		5000 PSI	9793 lb. ft.	5000 PSI	6529 lb. ft.

HIGH FLOW HIGH HP

SPECIFICATIONS		X4075
Maximum auger diameter		48"
Minimum hydraulic flow		24 GPM
Maximum hydraulic flow		32 GPM
Maximum Continuous Operating PSI		4000 PSI
Maximum Working Back Pressure		300 PSI
Output shaft options		2" hex

OUTPUT SPEED		FLOW		SPEED	
		24 GPM		59 RPM	
		28 GPM		78 RPM	
		30 GPM		98 RPM	
		32 GPM		78 RPM	

OUTPUT TORQUE		PRESSURE		TORQUE	
		2500 PSI	172 BAR	3165 lb. ft.	4278 N. m.
		3000 PSI	207 BAR	3786 lb. ft.	5133 N. m.
		3500 PSI	241 BAR	4417 lb. ft.	5989 N. m.
		3000 PSI	207 BAR	5048 lb. ft.	6844 N. m.

SPECIFICATIONS		X4575*
Maximum auger diameter		48"
Minimum hydraulic flow		22 GPM
Maximum hydraulic flow		36 GPM
Maximum Continuous Operating PSI		4000 PSI
Maximum Working Back Pressure		300 PSI
Output shaft options		2" hex

OUTPUT SPEED		FLOW		SPEED	
		22 GPM		43 RPM	
		36 GPM		71 RPM	

OUTPUT TORQUE		PRESSURE		TORQUE	
		3000 PSI	207 BAR	4660 lb. ft.	6388 N. m.
		3500 PSI	241 BAR	5437 lb. ft.	7371 N. m.

*No Case Drain required

SPECIFICATIONS		X5075
Minimum hydraulic flow		28 GPM
Maximum hydraulic flow		40 GPM
Maximum Continuous Operating PSI		3500 PSI
Maximum Working Back Pressure		300 PSI
Output shaft options		2" hex
Output shaft options		2" hex

OUTPUT SPEED		FLOW		SPEED	
		28 GPM		59 RPM	
		34 GPM		72 RPM	
		40 GPM		85 RPM	

OUTPUT TORQUE		PRESSURE		TORQUE	
		2500 PSI	172 BAR	3260 lb. ft.	4420 N. m.
		3000 PSI	207 BAR	4345 lb. ft.	5891 N. m.
		3500 PSI	241 BAR	5096 lb. ft.	6909 N. m.

SPECIFICATIONS		X6075
Maximum auger diameter		48"
Minimum hydraulic flow		30 GPM
Maximum hydraulic flow		53 GPM
Maximum Continuous Operating PSI		3500 PSI
Maximum Working Back Pressure		300 PSI
Output shaft options		2" hex

OUTPUT SPEED		FLOW		SPEED	
		30 GPM		51 RPM	
		42 GPM		72 RPM	
		53 GPM		90 RPM	

OUTPUT TORQUE		PRESSURE		TORQUE	
		2500 PSI	172 BAR	4531 lb. ft.	6143 N. m.
		3000 PSI	207 BAR	5437 lb. ft.	7372 N. m.
		3500 PSI	241 BAR	6343 lb. ft.	8600 N. m.

SPECIFICATIONS		X8075
Maximum auger diameter		48"
Minimum hydraulic flow		36 GPM
Maximum hydraulic flow		54 GPM
Maximum Continuous Operating PSI		3500 PSI
Maximum Working Back Pressure		300 PSI
Output shaft options		2" hex

OUTPUT SPEED		FLOW		SPEED	
		36 GPM		42 RPM	
		45 GPM		53 RPM	
		54 GPM		64 RPM	

OUTPUT TORQUE		PRESSURE		TORQUE	
		2500 PSI	172 BAR	6493 lb. ft.	8803 N. m.
		3000 PSI	207 BAR	7791 lb. ft.	10563 N. m.
		3500 PSI	241 BAR	9090 lb. ft.	12324 N. m.

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AUGERS

HEAVY DUTY - HDC STYLE AUGERS

These Augers are made for difficult ground conditions, compacted soils, heavy clay, frozen ground and fracturable rock. The HDC Augers feature heavy duty cast steel boring head, hardened drive-in gage (outside) and wisdom (inside) teeth. Equipped with hardened fishtail point and heavy-duty, double flighting.

SPECIFICATIONS - HDC			
DIAMETER		TOOTH QTY	TOOTH SIZE
IN	MM		
6"	152	2	NA
8"	203	4	2
9"	229	4	2
10"	254	4	2
12"	305	4	2
15"	381	6	4
16"	406	6	4
18"	457	6	4
20"	508	6	4
24"	610	8	6
30"	762	10	8
36"	914	12	11

MEDIUM DUTY - HDF STYLE AUGERS

These Augers are made for light to moderate ground conditions. The HDF augers feature a fabricated boring head with hardened bolt-on gage (outside) and wisdom (inside) teeth, as well as a hardened fishtail point. These augers also are equipped with heavy-duty double flighting.

SPECIFICATIONS - HDF			
DIAMETER		TOOTH QTY	TOOTH SIZE
IN	MM		
4"	102	NA	NA
6"	152	2	2
8"	203	2	2
9"	229	3	3
10"	254	3	3
12"	305	4	4
15"	381	5	5
16"	406	5	5
18"	457	6	6
20"	507	6	6
24"	610	8	8
30"	762	9	9
36"	914	11	11

HEAVY DUTY - HTF STYLE AUGERS

These Augers are made for tree and shrub planting. The HTF augers have a 2" diameter design with a fabricated boring head and hardened hold-on gauge (outside) and wisdom (inside) teeth. Augers also come equipped with a hardened fishtail point and heavy-duty double flighting.

SPECIFICATIONS - HTF			
DIAMETER		TOOTH QTY	TOOTH SIZE
IN	MM		
4"	102	NA	NA
6"	152	2	2
8"	203	2	2
9"	229	3	3
10"	254	3	3
12"	305	4	4
15"	381	5	5
16"	406	5	5
18"	457	6	6
20"	507	6	6
24"	610	8	8
30"	762	9	9
36"	914	11	11

ROCK AUGERS - BULLET TOOTH STYLE

These Augers are made for solid, fracturable rock, frozen ground, asphalt and compacted soils. These rock augers feature bullet style teeth and a fabricated boring head, as well as heavy-duty single flighting. This auger comes in 2" hexagon collar only and is available in 4' length. The auger has a .75" thick bottom flight and a hardface outer edge.

SPECIFICATIONS - HDC		
DIAMETER		TOOTH QTY
IN	MM	
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

HEAVY DUTY - MDC STYLE AUGERS

These Augers are made for difficult ground conditions, compacted soils, heavy clay, asphalt, frozen ground, and fracturable rock. The MDC augers feature a fabricated boring head with bolt-on gage and wisdom teeth. Standard or carbide teeth and point and wear components are available for this auger. Equipped with heavy-duty .3125" thick flighting and heavy-duty center shaft, 3/75" tubing x .3125" wall. Collars are available in 2.5" hexagon and 2.625" hexagon styles.

SPECIFICATIONS				
DIAMETER		FLIGHTING LENGTH	TOOTH QTY	OVERALL LENGTH
IN	MM			
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"



ADAPTERS & EXTENSIONS

AUGER ADAPTERS

Adapters 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 adapter.

SPECIFICATIONS - ADAPTERS			COLLAR OPENING SIZE		
OUTPUT SHAFT SIZE					
IN	TYPE	MM	IN	TYPE	MM
2"	Hexagon	50	2"	Round	51
2.5625"	Round	65	2"	Round	51
2"	Hexagon	51	2.5625"	Round	65
2.5625"	Round	65	2"	Hexagon	51
2"	Hexagon	51	2"	Hexagon	51

FIXED LENGTH AUGER EXTENSIONS

Fixed length auger extensions extend the auger's digging depth to exactly the length of the extension. McMillen Fixed Length Extensions are available with 2" round, 2.5625" round, 2" hexagon, 2.5" hexagon or 2.625" hexagon collars. These extensions do not store within the auger.

SPECIFICATIONS - FIXED LENGTH AUGER EXTENSIONS					
EX. LENGTH	2"		2.5625"		2.5"
	MM	ROUND	ROUND	HEX	HEX
12"	305	R2	R256	H2	H25
18"	457	R2	R256	H2	H25
24"	610	R2	R256	H2	H25
48"	1219	R2	R256	H2	H25
72"	1829	R2	R256	H2	H25



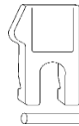
VARIABLE LENGTH AUGER EXTENSIONS

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" 72" extensions. Variable length extensions are available with 2" round, 2.5625" round, 2" hexagon, 2.5 hexagon, or 2.5625" hexagon collars.

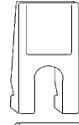
SPECIFICATIONS - VARIABLE LENGTH AUGER EXTENSIONS					
EX. LENGTH	2"		2.5625"		2.5"
	MM	ROUND	ROUND	HEX	HEX
12"	305	R2	R256	H2	H25
18"	457	R2	R256	H2	H25
24"	610	R2	R256	H2	H25
48"	1219	R2	R256	H2	H25
72"	1829	R2	R256	H2	H25



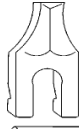
Gage Tooth



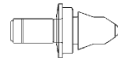
Wisdom Tooth



Chisel Tooth



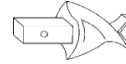
Rock Tooth



Fishtail Point Female



Fishtail Point Male Square Shank



SELECTION, INNOVATION, PERFORMANCE THE INDUSTRY'S NEW STANDARD

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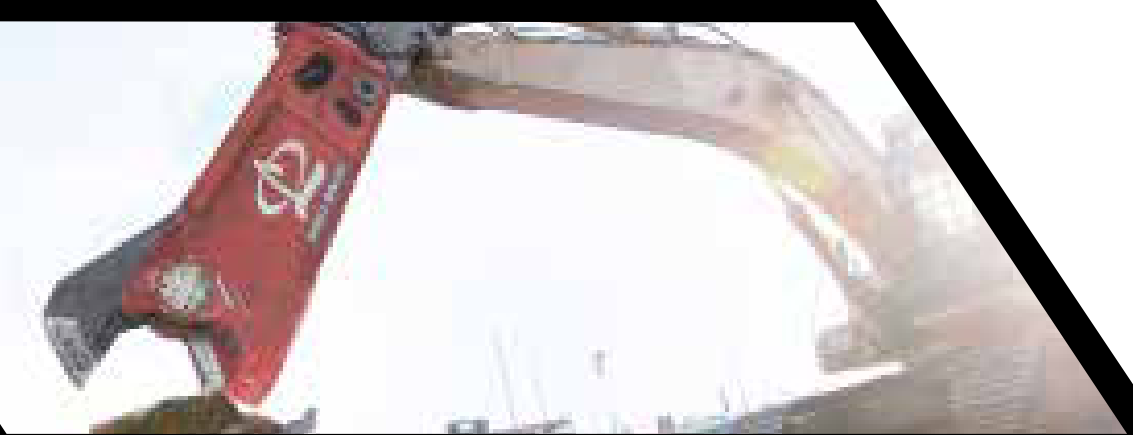
PALADIN STANLEY LABOUNTY PENGU

For more than half a century, STANLEY Infrastructure has pioneered the hydraulic tool & attachment industries by providing reliable solutions that keep our world moving. Trusted brands like STANLEY, Paladin, Labounty and Pengu all design and manufacture products that are built tough, like the people that use them. These industry leading tools provide all-day productivity, helping you... get the job done.

Together, our brands represent the largest independent manufacturer of attachment tools and coupler systems in the world and provides the industry's broadest line-up of attachment solutions. With strategic facilities across the world, Stanley Infrastructure provides a competitive advantage few can match. Our products are relied upon by those who build and maintain the world's infrastructure and our solutions impact countless lives every day.

STANLEY Infrastructure - for those who make the world move.

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