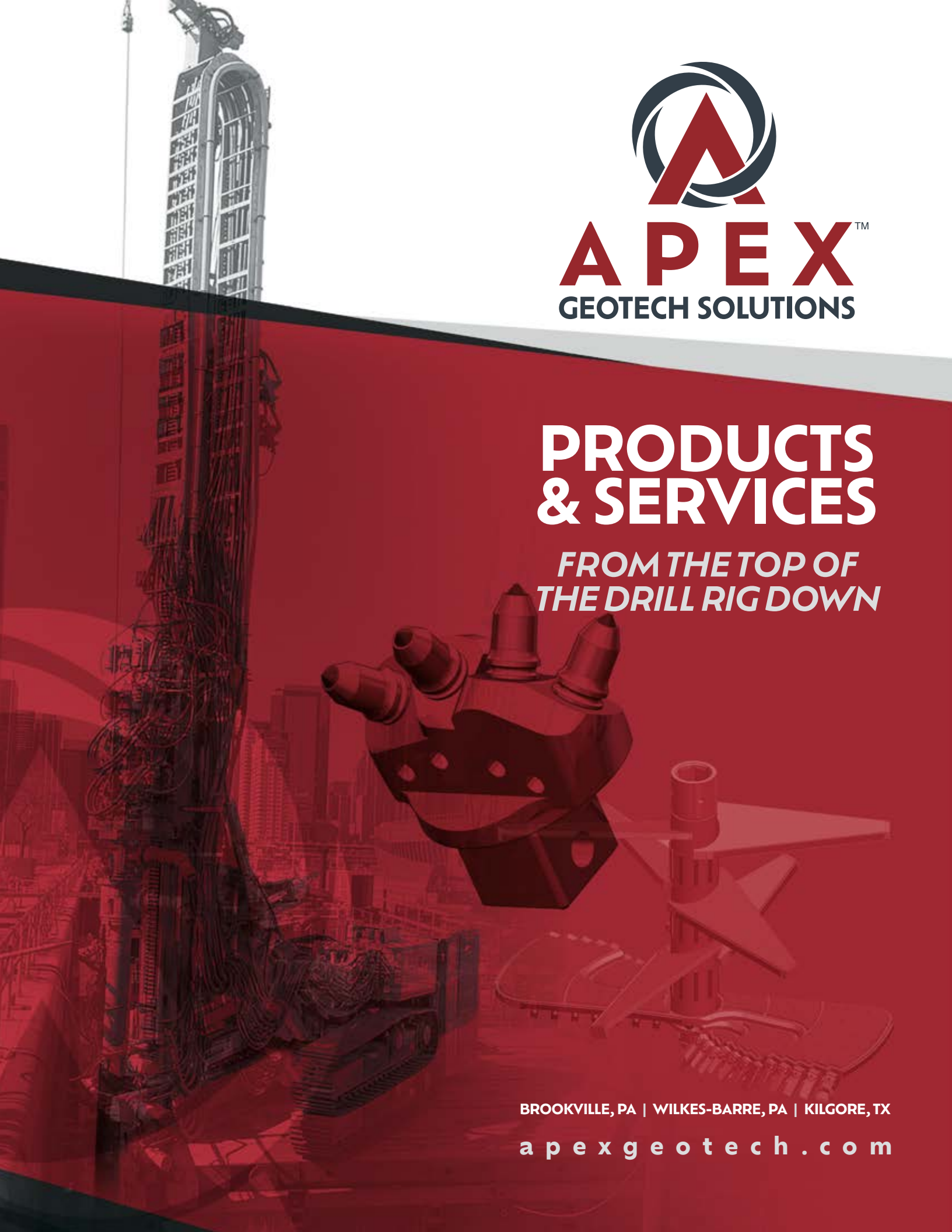


APEX™
GEOTECH SOLUTIONS

PRODUCTS & SERVICES

FROM THE TOP OF THE DRILL RIG DOWN

BROOKVILLE, PA | WILKES-BARRE, PA | KILGORE, TX

apexgeotech.com

THREADED CASING
- Steel ASTM A252 Grade 2, Grade 3
- Oilfield
- High strength, high yield
- K55, J55 yield strength, 55,000 ksi yield strength
- N80 – 80 ksi minimum, P110
- Spiral weld, ERW, seamless, DSAW
- New Mill Secondary, Surplus, API reject, prime, used
- Made in the USA, new domestic prime

PIPE PILING
- New pipe, prime pipe, secondary, surplus, reject
- Steel ASTM A252 Grade 2, Grade 3
- Oilfield
- High strength, high yield
- K55, J55 yield strength, 55,000 ksi yield strength
- N80 – 80 ksi minimum, P110
- Spiral weld, ERW, seamless, DSAW

DRILL RODS
- Rod sizes: 4” to 7” dia. (IU,EU & IEU)
- Drill rod manufactured from 4130 heat treated material

CROSSOVER SUBS
- Subs for the crossover of different diameter drilling tools.

DUPLEXES & FLANGE ADAPTERS
- Different for every job. Made to customer specifications so you can drill the way you want to.

ROTARY CASING
- Air Rotary Casing Hammer is a temporary steel casing driven simultaneously through a smaller borehole drilled by conventional air rotary

HAMMER & BITS
- Down the hole Hammer, DTH
- All sizes

OVERBURDEN DRILL SYSTEMS
- Any size available.

TOOLING & FABRICATION
- From flange adapters to duplexes, swivels to subs, and any other tooling, APEX can manufacture to specification.
- Teeth, bits, fluids, KOPR KOTE, Tricone: new & used, ring bits, etc.

LARGE DIAMETER TOOLING
- Progresive Rock Augers
- Severe Duty Rock Augers
- Continuous Flight Augers (CFA)
- Rock Core Barrels
- Rock Milling Tools
- Mud and Slurry Tools
- Rock Extracting Tools
- Air Circulating Roller Cone Core Barrels
- Drill String Connectors and Adaptors
- Extensions for Air and Conventional Drills
- Sever Duty Drilling Buckets
- High Capacity Cleanout/Muck Buckets
- Over & Under-Reaming Tools
- Landfill/Retrieval Buckets
- Wear Prevention Products
- Carbide Teeth, Holders & Parts
- HD Rock & Dirt Pilot Points
- Kelly Bar Repair

Our experience in the different systems and applications of deep foundations is your competitive advantage.

FROM THE TOP OF THE DRILL RIG DOWN

4
LOCATIONS

40
ACRES OF PRODUCT WITH ON-SITE RAIL ACCESS

OVER
1,000,000
LINEAR FEET OF INVENTORY ON-SITE READY TO BE DELIVERED DIRECTLY TO YOUR JOB SITE.

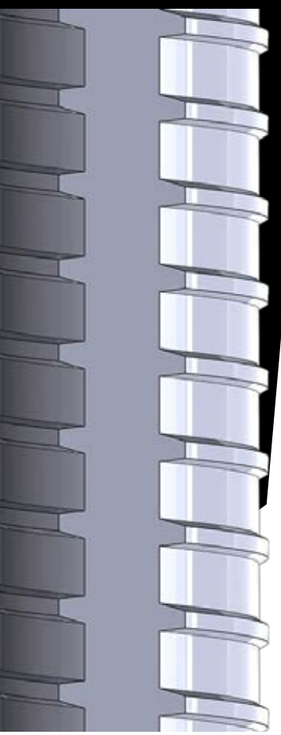
OCI + GMS + DRILLTOOLS QUALITY DRILLING PRODUCTS =

Our three companies, OCI LLC, GMS Piling Products, and DrillTools Inc. are now known under one name as **APEX GEOTECH SOLUTIONS**. We will continue to provide the best solutions and service in the Deep Foundation Drilling industry. We can now manufacture and Supply almost any tooling for the entire Foundation Industry under one name including: Casing for Micropiles, Threaded Reinforcing Bar, as well as small diameter and large diameter drilling tools and accessories. APEX will provide you with the most experienced and comprehensive solutions in the industry, coupled with top notch fabrication, material supply, and support. We are already here for your current and will be for your future projects…
FROM THE TOP OF THE DRILL RIG DOWN.

HOT ROLLED ALL THREAD BAR

THREAD BAR COATINGS AVAILABLE, BUT NOT LIMITED TO:

- **Epoxy Coat per ASTM A775 / A775M**
- **Hot Dip Galvanized per ASTM A123/A153**



Engineered for demanding deep foundation and ground stabilization projects, **APEX GEOTECH SOLUTIONS'** Hot Rolled All Thread Bar provides industry required strength and job-site flexibility. Fully threaded for easy field cutting and coupling, this robust reinforcement is designed for micropiles, soil nails, and rock anchors.

Our threaded reinforcing bar is melted and manufactured in the United States to stringent industry standards, delivering dependable load distribution and durability. Available ASTM A615 Grade 80 and can be coated (hot-dip galvanizing or fusion bond-epoxy coating). These bars are a critical part of deep foundation and geotechnical projects.

ASTM A615 GR 80 HOT ROLLED ALL THREAD BAR

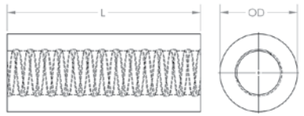
Nominal Bar Diameter & Pitch	Minimum Net Area Thru Threads	Minimum Ultimate Strength	Minimum Yield Strength	Nominal Weight	Approx. Thread Major Diameter
#8 - 1" (25 mm)	0.79 in^2 (510 mm^2)	83 kips (369.2 kN)	63.2 kips (281.1 kN)	2.67 lb/ft (3.97 kg/m)	1-1/8" (28.6 mm)
#9 - 1-1/8" (29mm)	1.00 in^2 (645 mm^2)	105 kips (467.1 kN)	80 kips (355.9 kN)	3.41 lb/ft (5.07 kg/m)	1-1/4" (31.8 mm)
#10 - 1-1/4" (32 mm)	1.27 in^2 (819 mm^2)	133.4 kips (593.4 kN)	101.6 kips (451.9 kN)	4.3 lb/ft (6.40 kg/m)	1-3/8" (34.9 mm)
#11 - 1-3/8" (36 mm)	1.56 in^2 (1006 mm^2)	163.8 kips (728.6 kN)	124.8 kips (555.1 kN)	5.31 lb/ft (7.90 kg/m)	1-1/2" (38.1 mm)
#14 - 1-3/4" (43 mm)	2.25 in^2 (1452 mm^2)	236.3 kips (1051.1 kN)	180 kips (800.7 kN)	7.65 lb/ft (11.38 kg/m)	1-7/8" (47.6 mm)
#18 - 2-1/4" (57 mm)	4.00 in^2 (2581 mm^2)	420 kips (1868.2 kN)	320 kips (1423.4 kN)	13.7 lb/ft (20.39 kg/m)	2-7/16" (61.9 mm)
#20 - 2-1/2" (64 mm)	4.91 in^2 (3168 mm^2)	515.6 kips (2293.5 kN)	392.8 kips (1747.3 kN)	16.7 lb/ft (24.85 kg/m)	2-3/4" (69.9 mm)
#24 - 3" (76 mm)	6.85 in^2 (4419 mm^2)	719 kips (3198.27 kN)	548 kips (2437.62 kN)	24.0 lb/ft (35.72 kg/m)	3-3/16" (81.0 mm)

FIX RINGS FOR GR 80 HOT ROLLED BAR

Bar Size	Length	OD	Weight	Material
#8	1.00"	1.625"	0.316 lb	C1045
#9	1.10"	2.00"	0.610 lb	C1045
#10	1.30"	2.00"	0.602 lb	C1045
#11	1.40"	2.25"	0.827 lb	C1045
#14	1.70"	2.75"	1.617 lb	C1045
#18	1.60"	3.50"	2.265 lb	C1045
#20	1.70"	4.00"	4.436 lb	C1045
#24	1.90"	4.50"	4.444 lb	C1045

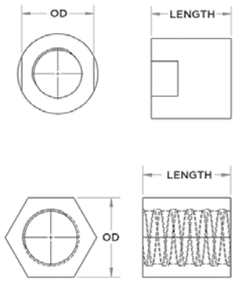
COUPLER - ASTM A536 FOR GR 80 HOT ROLLED THREADED BAR

Bar Size	Length	OD	Weight	Material
#8	4.43"	1.625"	1.43 lb	C1045
#9	4.93"	2.00"	2.77 lb	C1045
#10	6.00"	2.00"	2.82 lb	C1045
#11	6.75"	2.25"	4.05 lb	C1045
#14	7.87"	2.75"	7.54 lb	C1045
#18	9.125"	3.50"	13.05 lb	C1045
#20	10.125"	4.00"	20.61 lb	C1045
#24	12.5"	4.50"	29.47 lb	C1045

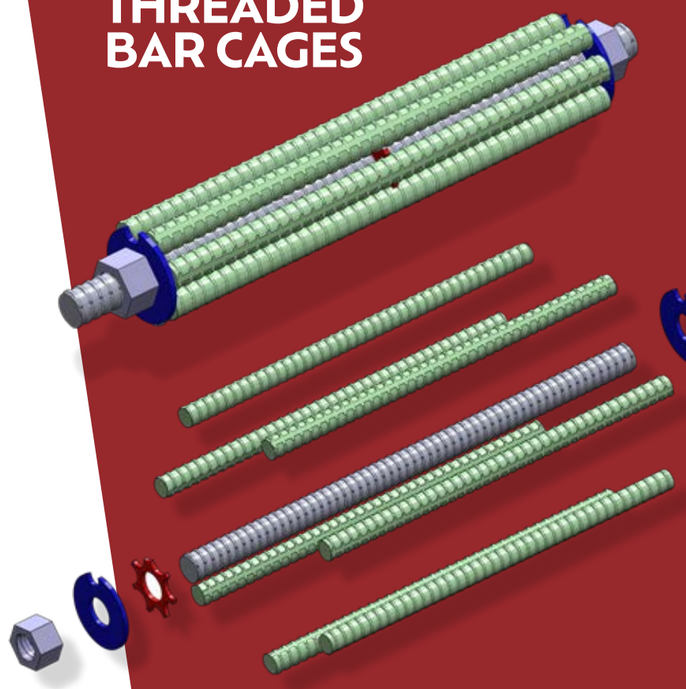


ANCHOR NUTS ASTM A536 FOR GR 80 HOT ROLLED BAR

Bar Size	Length	OD	Weight	Material
#8 (hex)	2.50"	1.50"	0.72 lb	C1045
#9 (hex)	2.47"	1.75"	1.04 lb	C1045
#10 (hex)	2.75"	2.00"	1.54 lb	C1045
#11 (round)	3.00"	2.25"	3.27 lb	C1045
#14 (round)	3.25"	2.50"	3.99 lb	C1045
#18 (round)	3.50"	3.00"	4.77 lb	C1045
#20 (round)	4.00"	3.50"	7.83 lb	C1045
#24 (round)	5.00"	4.00"	11.39 lb	C1045



THREADED BAR CAGES



APEX has the technical expertise to design and fabricate any custom reinforcement bar cage you may need. We have the capability to produce pre-assembled cages of threaded bar, with custom spacer rings, top and bottom structural plates, and hex nuts or jam nuts to keep it all together while it's being transported to your jobsite. Factory fabrication and assembly allows you to remain efficient, resulting in overall project cost savings.

THREADED MICROPILE CASING

2” – 24” OD up to 80’ lengths

Can match any thread needed

Tooth Configurations

- U7L
- CJ2
- RT1

APEX GEOTECH SOLUTION’s range of product offerings prominently includes Micropile Casing, a specialized component essential for robust foundational support in diverse construction and geotechnical applications. This product line is rigorously engineered and marketed to both domestic and international clients, reflecting the APEX commitment to global standards and local needs.

The micropile casings are designed using a variety of thread forms, each tailored to optimize performance and durability under specific ground conditions. The selection includes many outside diameters with various wall thicknesses, allowing for precise adaptation to different project requirements and geotechnical challenges.
Further distinguishing our offerings, the casings are available in any length, facilitating their use in projects ranging from low head room to projects that have no limitation on length. This adaptability is backed by our advanced manufacturing processes, which ensure high-quality, reliable products that consistently meet rigorous industry standards.

In summary, APEX micropile casing solutions embody the company’s dedication to engineering excellence and customer satisfaction. These products not only meet the varied needs of the construction sector but also pave the way for innovative building techniques in challenging environments. Whether the project is local or international, clients can rely on our experience and knowledge to deliver solutions that are both effective and efficient.

Pipe OD (in.)	Wall (in.)	ID (in.)	WT/LF (lbs./ ft.)	Cross Sectional Area (in^2)	Total Area of Shaft (in^2)	Internal Volume (ft^3/ft)	External Surface Area (ft^2/ft)	Moment of Inertia (in^4)	Section Modulus (in^3)
5	0.362	4.276	17.95	5.27	19.63	0.100	1.31	14.27	5.71
5.5	0.361	4.778	19.83	5.83	23.76	0.125	1.44	19.33	7.03
5.5	0.415	4.67	22.56	6.63	23.76	0.119	1.44	21.57	7.84
7	0.408	6.184	28.75	8.45	38.48	0.209	1.83	46.07	13.16
7	0.453	6.094	31.70	9.32	38.48	0.203	1.83	50.16	14.33
7	0.5	6	34.74	10.21	38.48	0.196	1.83	54.24	15.50
7.625	0.43	6.765	33.07	9.72	45.66	0.250	2.00	63.12	16.56
7.625	0.5	6.625	38.08	11.19	45.66	0.239	2.00	71.37	18.72
8.625	0.5	7.625	43.43	12.76	58.43	0.317	2.26	105.72	24.51
9.625	0.395	8.835	38.97	11.45	72.76	0.426	2.52	122.20	25.39
9.625	0.435	8.755	42.73	12.56	72.76	0.418	2.52	132.88	27.61
9.625	0.472	8.681	46.18	13.57	72.76	0.411	2.52	142.51	29.61
9.625	0.5	8.625	48.77	14.33	72.76	0.406	2.52	149.63	31.09
9.625	0.545	8.535	52.90	15.55	72.76	0.397	2.52	160.80	33.41
10.75	0.45	9.85	49.55	14.56	90.76	0.529	2.81	193.47	35.99
10.75	0.5	9.75	54.79	16.10	90.76	0.518	2.81	211.95	39.43
10.75	0.545	9.66	59.45	17.47	90.76	0.509	2.81	228.10	42.44
10.75	0.595	9.56	64.59	18.98	90.76	0.498	2.81	245.53	45.68
11.75	0.534	10.682	64.03	18.82	108.43	0.622	3.08	296.55	50.47
11.875	0.582	10.711	70.26	20.65	110.75	0.626	3.11	330.04	55.58
12.75	0.5	11.75	65.48	19.24	127.68	0.753	3.34	361.54	56.71
13.375	0.48	12.415	66.17	19.45	140.50	0.841	3.50	404.73	60.52
13.375	0.514	12.347	70.67	20.77	140.50	0.831	3.50	430.07	64.31
13.625	0.625	12.375	86.86	25.53	145.80	0.835	3.57	540.47	79.33
14	0.5	13	72.16	21.21	153.94	0.922	3.67	483.76	69.10
16	0.5	15	82.85	24.35	201.06	1.227	4.19	731.94	91.49
16	0.595	14.81	97.98	28.80	201.06	1.196	4.19	855.48	106.93
18	0.5	17	93.54	27.49	254.47	1.576	4.71	1053.17	117.01
18	0.625	16.75	116.09	34.12	254.47	1.530	4.71	1289.07	143.22
20	0.5	19	104.23	30.63	314.16	1.969	5.24	1456.86	145.68
22	0.5	21	114.92	33.77	380.13	2.405	5.76	1952.45	177.49
22	0.625	20.75	142.81	41.97	380.13	2.348	5.76	2398.99	218.08
24	0.5	23	125.61	36.91	452.39	2.885	6.28	2549.35	212.44

MULTI-USE METRIC CASING

APEX is known for its comprehensive range of Multiple Use Metric Casings, a key segment of our product offerings that caters to a broad spectrum of applications across various drilling industries. These casings are designed and globally marketed, ensuring they meet the rigorous demands of both domestic and international projects. Their adaptability and durability make them ideal for use in many drilling applications.

Multiple Use Casing is available in an array of varieties, featuring different outside diameters, inside diameters, and thread types. This allows engineers and project managers to select the perfect casing type based on drilling methods and project specifications.

Our commitment to innovation is evident in the development of these casings, which are designed not only for functionality but also for ease of use and installation. The multiple thread forms available offer compatibility with various joining techniques and machinery, enhancing on-site efficiency and reducing downtime.

By providing a wide range of Multiple Use Metric Casings with diverse thread options, APEX supports its clients in overcoming the challenges of modern engineering projects. Our products stand for quality and reliability, making APEX a trusted partner in building a stronger, safer, and more efficient future.

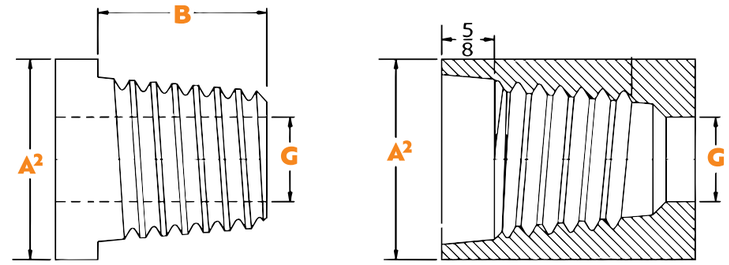
DRILL ROD

The **APEX** portfolio prominently features drill rod, a critical component used extensively in all drilling industries. These drill rods are expertly crafted and marketed to meet the needs of both domestic and international markets, underscoring our position as a leader in the drilling industry.

Our drill rods come in a wide array of types, each utilizing different thread forms designed to ensure superior connection integrity and enhanced performance in various drilling conditions. This customization extends to a broad selection of lengths and diameters, enabling precise applications across diverse drilling operations.

In addition to standard specifications, APEX offers design-build services that allow for complete customization of drill rods to meet unique project requirements. Whether clients need rods with specific performance characteristics for harsh environments or specialized adaptations for innovative drilling techniques, Our engineering team collaborates closely with clients to develop tailor-made solutions.

This level of customization and flexibility in design and manufacturing demonstrates our commitment to providing high quality, durable drill rods that enhance drilling efficiency and safety. With a focus on technological advancement and customer satisfaction, APEX continues to be a preferred partner in the drilling industry, capable of meeting the challenges of today's dynamic market demands. Whether the project scope is local or extends across borders, clients can rely on APEX for reliable, state-of-the-art drilling solutions that drive project success.



API TOOL JOINT THREADS

Tool Joint Name:	Abbreviation:	Weight - 3'	Weight - 5'	Weight - 10'	A² - COMMON OUTSIDE DIAMETER	B - PIN LENGTH	G - INSIDE DIAMETER	THREADS PER INCH
2-3/8" API Regular	2-3/8 Reg	63	88	151	3-1/2	3	1	5
2-7/8" API Regular	2-7/8 Reg	73	99	164	4	3-1/2	1-1/4	5
3-1/2" API Regular	3-1/2 Reg	92	122	197	4-1/2	3-3/4	1-3/4	5
4-1/2" API Regular	4-1/2 Reg	147	192	305	5-1/2	4-1/4	2-1/4	5
2-3/8" API Internal Flush (IF)	2-3/8 IF	54	79	141	3-1/2	3	1-3/4	4
2-7/8" API Internal Flush (IF)	2-7/8 IF	88	116	193	4-1/2	3-1/2	2-1/8	4
3-1/2" API Internal Flush (IF)	3-1/2 IF	127	169	385	5-1/2	4	2-11/16	4
4-1/2" API Internal Flush (IF)	4-1/2 IF	183	240	383	6-5/8	4-1/2	3	4

COMMON TOOL JOINT THREADS

Tool Joint Name:	Abbreviation:	Weight - 3'	Weight - 5'	Weight - 10'	A² - COMMON OUTSIDE DIAMETER	B - PIN LENGTH	G - INSIDE DIAMETER	THREADS PER INCH
4 1/2" Beco	4-1/2 Beco	237	301	459	7	4-1/8	2-1/4	2
6" Beco	6 Beco	339	426	625	8-5/8	4-7/8	3-1/2	2
7" Beco	7 Beco	429	535	800	9-5/8	4-7/8	3-1/2	2
8" Beco	8 Beco	508	617	891	10-3/4	5	5-1/2	2
10" Beco	10 Beco	809	950	1303	13-3/8	7	7	2
3 DWS	3 DWS	49	73	132	3	3-1/4	1-1/8	1-1/8
4-1/2 DWS	4-1/2 DWS	88	118	193	4-1/2	4	2	2
5-1/2 DWS	5-1/2 DWS	122	167	190	5-1/2	4-1/2	3	2
7 DWS	7 DWS	208	271	430	7	5	3	1-1/2
7-5/8 DWS	7-5/8 DWS	248	325	515	7-5/8	5-1/4	3-1/4	1-1/2
2-7/8 Mission Modified	2-7/8 MM	52	75	138	3-7/16	3-7/16	1-1/8	2

SMALL DIAMETER DRILLING

SIDEWINDER HYDRAULIC BREAKOUT WRENCH

The APEX Sidewinder Hydraulic Breakout Wrench is designed for breaking loose or tightening drill tooling or any cylindrical object. The Sidewinder has two operational positions providing power for vertical or horizontal breakout or tightening. Chains and arms are positioned horizontally for attaching to vertical drill strings. In this position the Balance Arm can be used to lift the entire Sidewinder with a winch to achieve correct height for jaw location.

By rotating the main frame of the Sidewinder 90 degrees, the machine is now available for use with your work piece in the horizontal position or parallel to the ground. The chains on both arms are tightened by hydraulic cylinders. Links should be added or removed to allow the hydraulic cylinder to be almost retracted when the chain is tight.

The lower arm or the arm on the left side when holding the transport handle is referred to as the FIXED ARM. The other arm is referenced as the MOVEABLE WRENCH ARM. It is possible to slide the fixed arm away from the moveable wrench arm (by removing spacer) but care must be taken to have the jaws/chains as close as possible together under high torque breakouts. Keeping the arm close and the cylinder's rods retracted lessen the likelihood that the unit will bend, or the cylinder arms be damaged. A word of caution: This unit develops high pressure and high torque.

SMALL DIAMETER DRILLING

V-SERIES: FULL RANGE IN LINE OILER

No Moving Parts to Fail...
No switches, pumps, plugging & no problems!

V-Series is designed to remove the pitfalls of both "pig" and "injection" oilers. "Pig" oilers reduce line flows by requiring a pressure drop to induce oil, and plugging is all too common." Injection oilers require many potential fail points (switches, pumps etc.) and do little to operate in concert with air flows. Neither are capable of sizing oil particles for a given air speed, further aggravating hammer lubrication problems. Particles too large to remain in the air stream end up on plumbing walls. Particles too small can pass right through the hammer.

SMALL DIAMETER DRILLING

DRILL STRING

DUPLEXES AND FLANGE ADAPTERS:

APEX has the capability to design and manufacture any Duplex or Flange Adapter you may need, regardless of drilling equipment. With on site engineering support, tooling can be designed, drawn, manufactured, and delivered within days.

CROSSOVER SUBS:

APEX can quickly manufacture any length and diameter drill string component, to crossover to and from all standard pipe thread pins and boxes.

DRILL RODS:

Capable of manufacturing drill rods from 3 1/2" up to 20" OD. Threading capabilities range from 2 3/8" up to 8 5/8" API Regular, IF, and Beco threads, as well as hex end connectors.

SHOCK ABSORBERS:

Keep your drill rig operational for years by minimizing wear and tear on your equipment with high quality shock absorbers.

DTH HAMMERS:

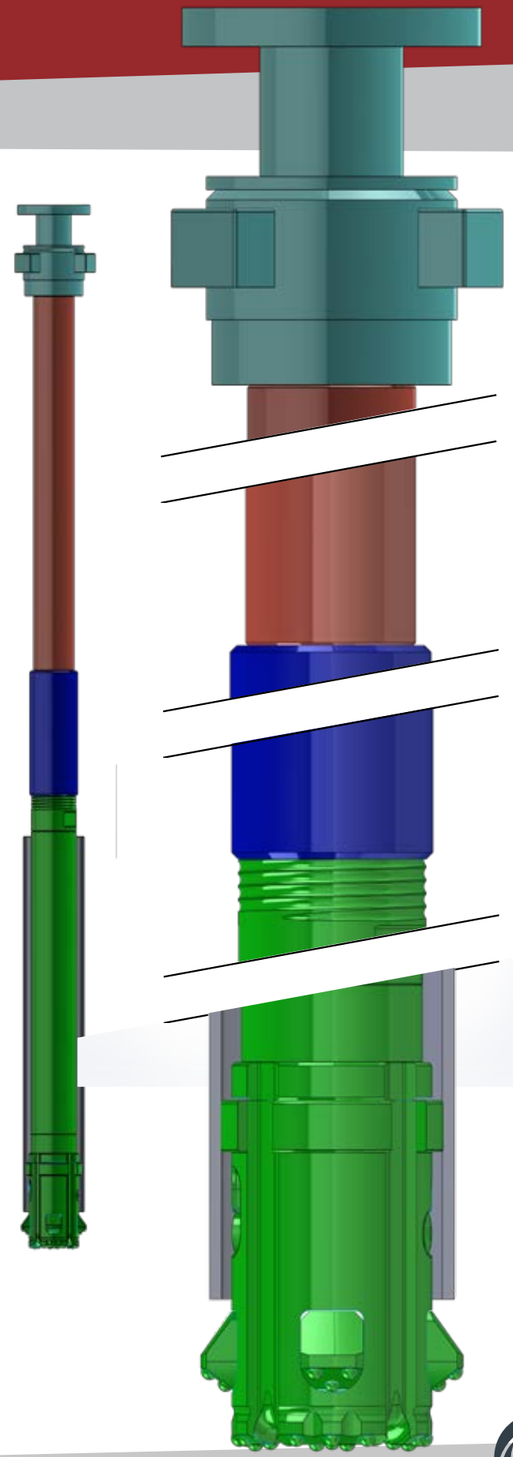
We offer a wide range of down the hole hammers, which are designed for peak performance in all rock drilling applications.

UNDER REAMERS:

APEX provides Under Reamers from several manufacturers to suit any drilling situation. With wings that lock in place and are easily retractable, Under Reamers provide an excellent method to drill straight, full diameter holes through any geotechnical formation.

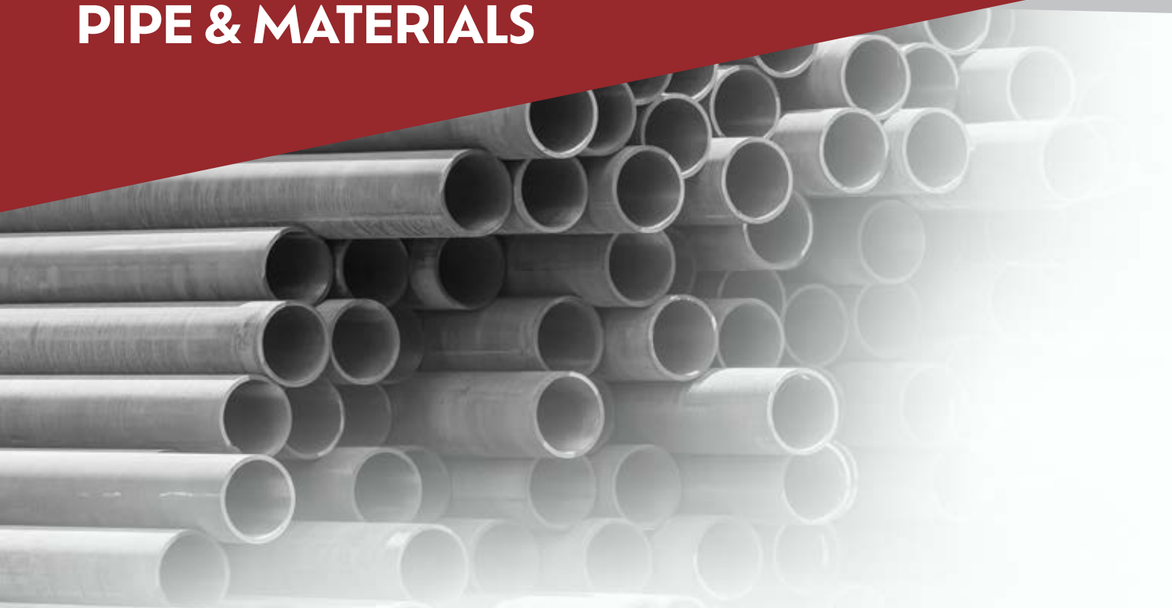
RING BITS:

Down the hole drilling system, consisting of a single use rotary casing ring bit, and a locking drill bit. This system enables an easy, fast, and reliable drilling process in all conditions.



PILING

PIPE & MATERIALS



APEX Geotech Solutions is your go-to source for all your tubular products and drill tooling needs. With a substantial inventory of materials in a variety of sizes and specifications, we are fully equipped to cut, machine, and fabricate casing and drill tools to offer best-in-class deliveries.

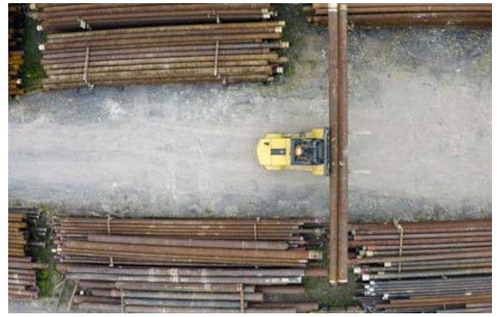
At APEX, we understand the urgency that often accompanies drilling operations. That's why we stock essential materials for the manufacturing of high-quality drill tools, drilling equipment and casing. This readiness allows us to provide swift and accurate production services, minimizing downtime and enhancing your project efficiency.

Our capabilities extend beyond simply supplying materials. We specialize in the design, machining and fabrication of equipment tailored to the specific needs of our clients. Whether you need robust drilling tools, design-built equipment, or complex assemblies, our advanced machinery and skilled team are ready to deliver top-quality results. Our commitment to efficiency ensures that we can design, machine, and fabricate the essential equipment you need quickly and proficiently.

Beyond our technical capabilities, APEX prides itself on customer service. We work closely with our clients to understand their unique requirements and challenges. Our team offers years of experience advising and supporting our clients throughout the entire process, from initial inquiry to final delivery, ensuring that every product we deliver gets the project completed with APEX standing by your side from beginning to end.

Our extensive inventory and rapid production capacity make us a leader in the industry. By choosing APEX you are not just purchasing materials and equipment; you are gaining a partnership with a company that is committed to your success. We continually invest in our technology and personnel to stay at the forefront of the industry, so we can offer you the best possible service and products.

Whether you are in the early stages of project planning or in urgent need of immediate delivery, APEX is here to support your goals with quality, precision, and speed. Let us help you drive your projects forward with the confidence that you have the best tools and materials at your disposal.



PILING

TAPER PILES

- Spliced to length
- End plate attachment
- Conical point attachment
- Splice sleeve attachment

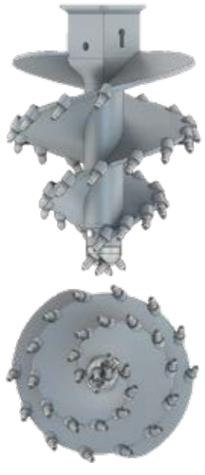
PILING

DRIVEN PILES

- Tapered friction piles for reduced necessary depth
- End plates or conical points attached
- Spliced into complete piles and shipped to job site

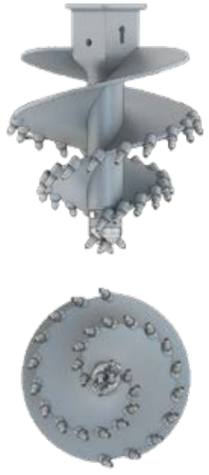
PROGRESSIVE STAGE ROCK AUGERS

DCDF ST1 ROCK AUGER



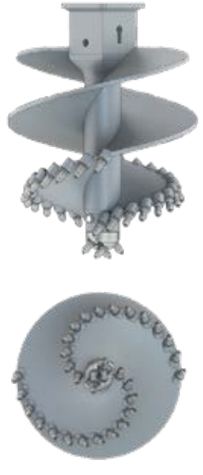
STAGE 1
360° Cutting Edge*

DCDF ST2 ROCK AUGER



STAGE 2
270° Cutting Edge*

DCDF ST3 ROCK AUGER



STAGE 3
180° Cutting Edge

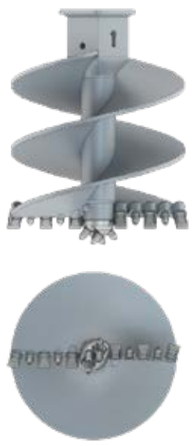
DCDF ST4 ROCK AUGER

STAGE 4
90° Cutting Edge*

DCDF ST5 ROCK AUGER

STAGE 5
45° Cutting Edge*

DCDF ST6 ROCK AUGER



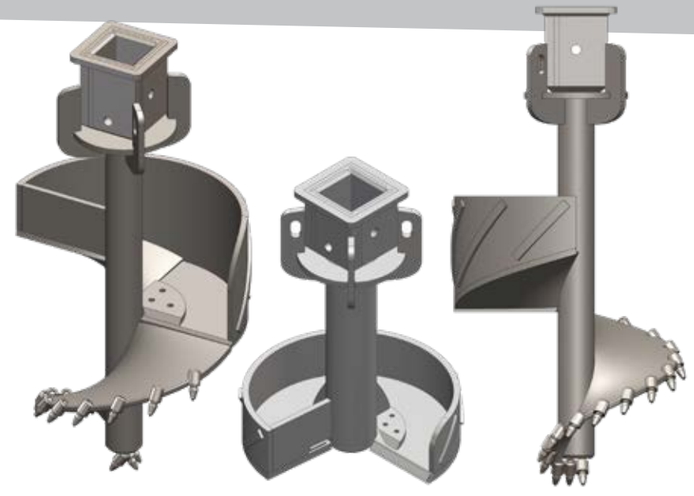
STAGE 6
0° Cutting Edge*

*radius from center to full diameter

LARGE DIAMETER DRILL TOOLS
AUGERS

ROCK PAN AUGERS

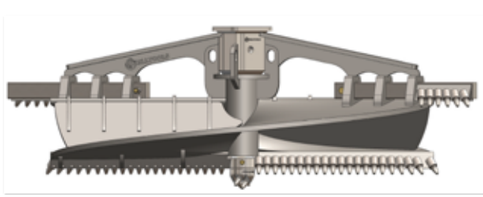
- 18" - 144" Dia.
- Hardened Scraper Edge
- Wear Protected Flat Bottom
- Loading Flight Only
- Progressive Starter Options



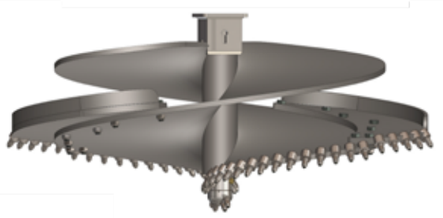
HEAVY DUTY EARTH AUGERS

12"-180" Diameter

DOUBLE OR SINGLE CUT / FLIGHT

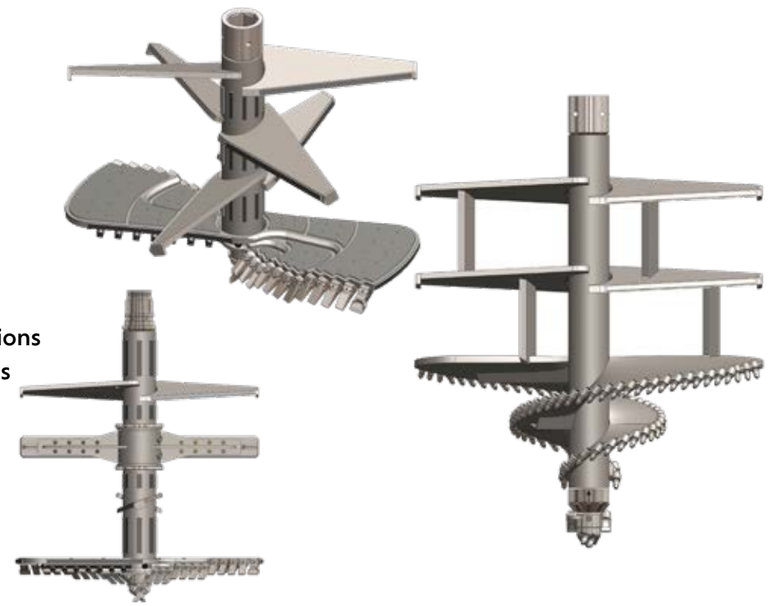


SPOON / VALVE AUGER



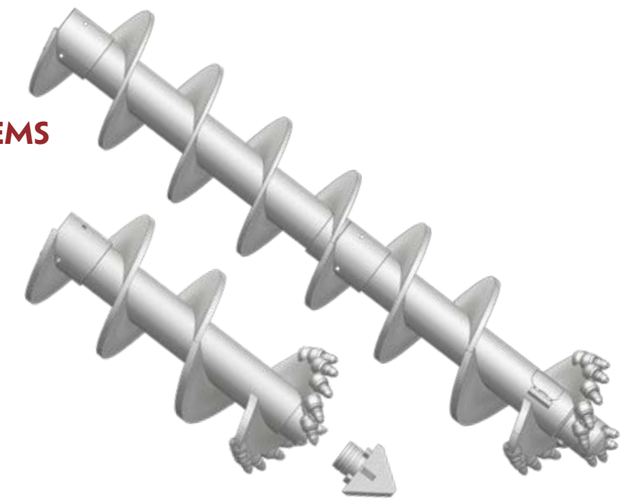
PIN / BOLT-ON CUTTERS

DEEP SOIL MIXING TOOLS



- 24"-120" Dia.
- Blending or Penetrating Style Options
- Hex or Spline Type Coupler Options

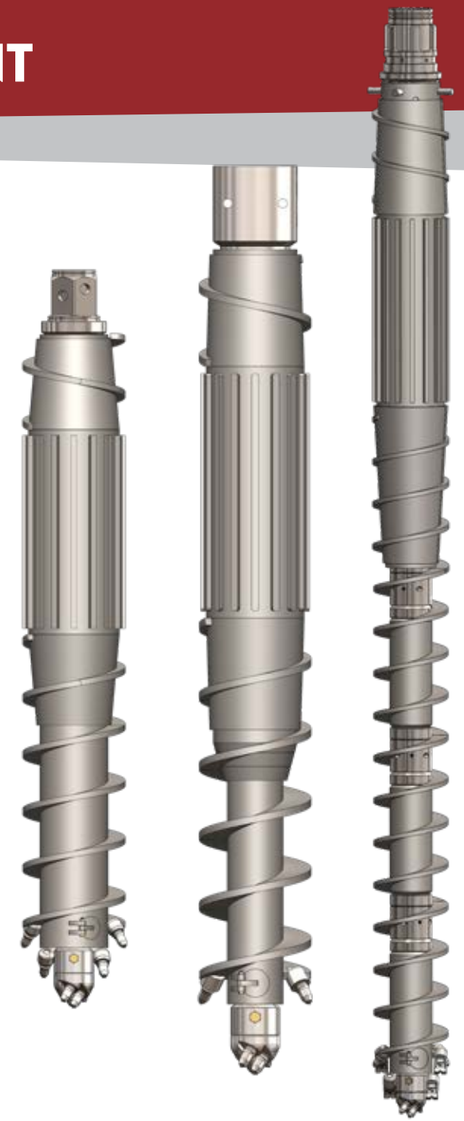
CFA
CONTINUOUS FLIGHT AUGER SYSTEMS



- 12"-48" Dia.
- Rock/Dirt Cutting Heads
- Double Cut/Single Flights
- Variable Flight Pitch
- Flight Body Lengths to 40'
- Variable Size Grout Tubes
- Side/Bottom Grout Port Options
- Coupler Options: Hex/Splined/Threaded

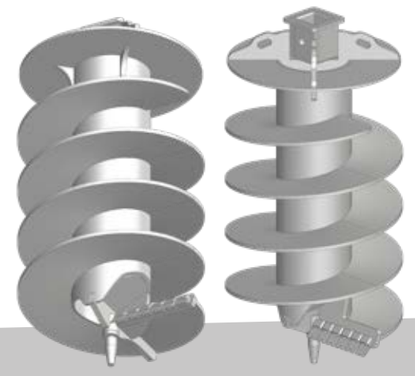
LARGE DIAMETER DRILL TOOLS
GROUND IMPROVEMENT

DISPLACEMENT AUGER SYSTEMS
Full & Partial



- 12"-18" Dia.
- Sectional Starter Heads
- Grout Tube & Discharge Options
- High Strength Drill Stem
- Coupler Options: Hex & Splined
- Full Wear Protection, Hardened Bulb Section

SLURRY AUGER SYSTEMS



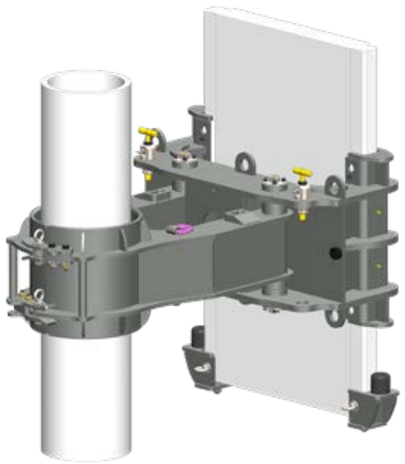
CLEANERS & CENTRALIZERS

CASING CLEANER

- Internal Pipe Scraping Tool
- Replaceable Wire Rope Brushes
- Multiple Diameter Options

CENTRALIZING TOOL

- Wear Protected Stabilizer
- Multiple Kelly Coupler & Diameter Options



DRILLING CENTRALIZER

- Rig Mounted Drill String Centralizer for soil-mixing, displacement tooling, etc.

KELLY DRIVE SERIES

Designed specifically for the foundation drilling industry.

- Rapid Availability
- Reliable Fit
- In-House Production
- Quality Materials
- Stronger Design

KELLY DRIVE BOXES & HUBS

INCH	mm	P/N	TYPE
2.00	51	100103	Hex FM
2.50	64	100104	Hex FM
2.62	67	100105	Hex FM
2.50	64	100106	Square
3.00	76	100107	Square
3.50	89	100108	Square
4.00	102	100102	Square
4.25	108	100098	Square
5.12	130	100099	Square
5.25	133	100387	Square
6.00	152	100109	Square
7.00	177	100046	Square
7.25	184	100110	Square
7.90	200	100389	Square

Common Industry Standards and Custom Sizes Available

CASING DRIVER & CARDON

CASING DRIVER

- Single or Multiple Diameter Options
- Replaceable Drive Pins

CARDON JOINT CROSSOVER

- Enables usage of varying cardonic links across different drill rigs.

BUCKETS

LANDFILL / RETRIEVAL BUCKET

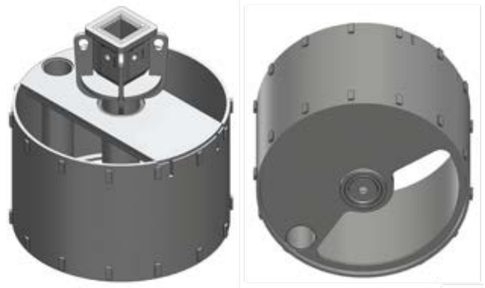
30” - 60”

- Weld-On Coring Ring
- Positive Locking System
- High Strength Door Closure

OTSB / MUCK BUCKET

Drilled Shaft Clean Out Bucket

- 12"-180" Diameter
- Spin Open Bottom
- Single or Double Opening
- Large Open Top
- Vented for Suction Relief

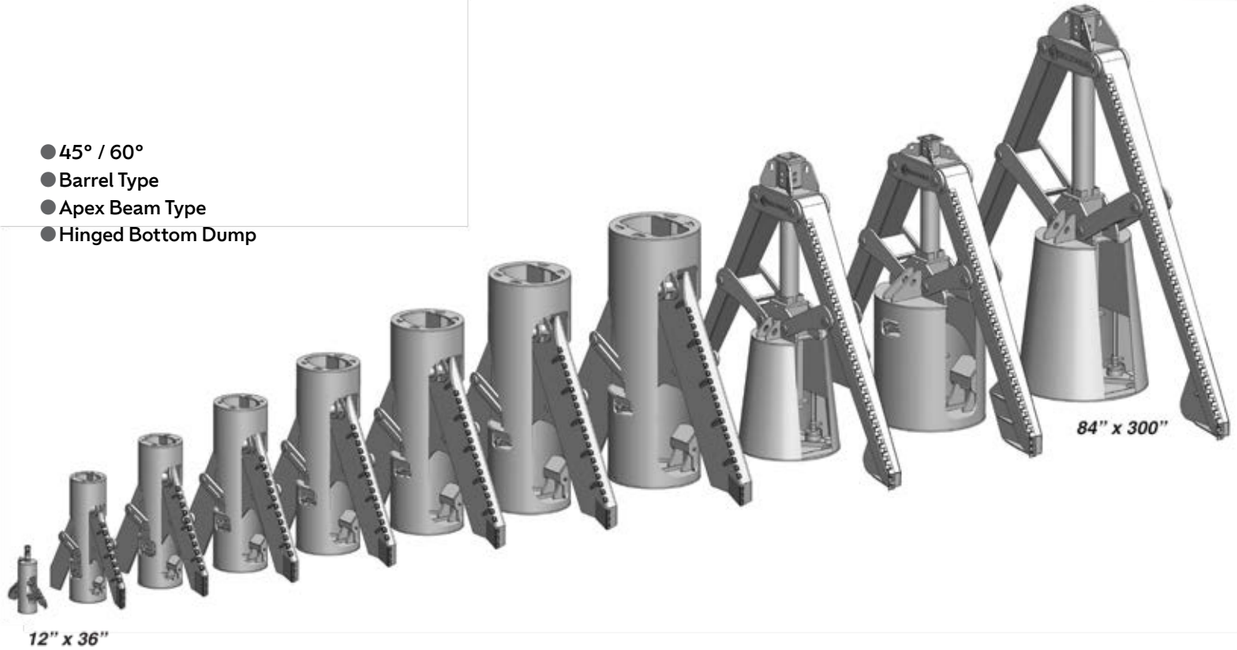


DRILLING BUCKETS

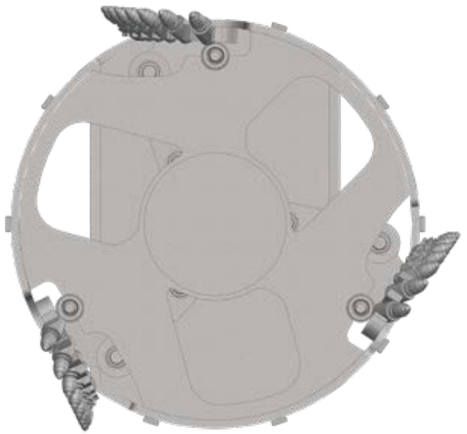
- 18"-180" Diameter
- Hinged Dump Bottom
- Manual and Auto Dump Release
- Single, Double, or Triple Entry Opening
- Dual Purpose Cutting Teeth
- Flat or Tapered Bottom Entry
- Spin Close or Flap Door Closure
- Interchangeable Clean Out Bottom
- Scoring Attachment Option
- Vented for Suction Relief

UNDER REAMING / BELLING TOOLS

- 45° / 60°
- Barrel Type
- Apex Beam Type
- Hinged Bottom Dump



UNDERCUTTING SCORING TOOL



CORING TOOLS

ROCK CORE BARREL

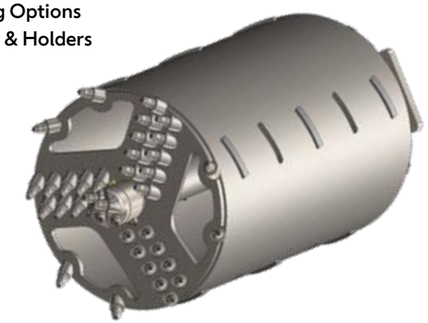
- 12"-180" Dia.
- Conical Carbide Cutting Teeth
- Recessed Welded Holders
- Barrel Relief Slots
- Wear Protection Pads
- Reinforced Plate Top
- Inner Core Removal Options

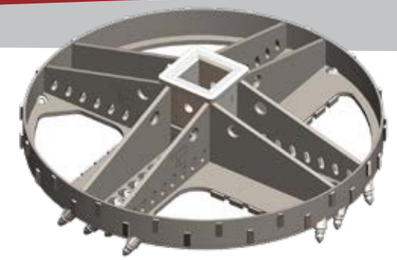
SWX ROLLER CONE CORE BARREL

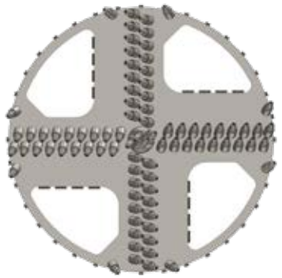
- 24"-144"
- Bolt-On Journal Bearing Carbide Roller Bits
- Single Wall Barrel
- Hardened Helix Internal and External
- Tool Stabilizer Cutters
- Material Catch Can Option
- Field Serviceable Components
- Full Wear Protection

ROCK MILLING TOOLS

- 18"-180" Diameter
- Bottom Hole Core Removal
- Suitable for Rock Socket Flattening
- Dedicated Bottom Mill Type
- Barrel Mounted Type
- Triple or Double Cutting Options
- Conical Carbide Cutters & Holders





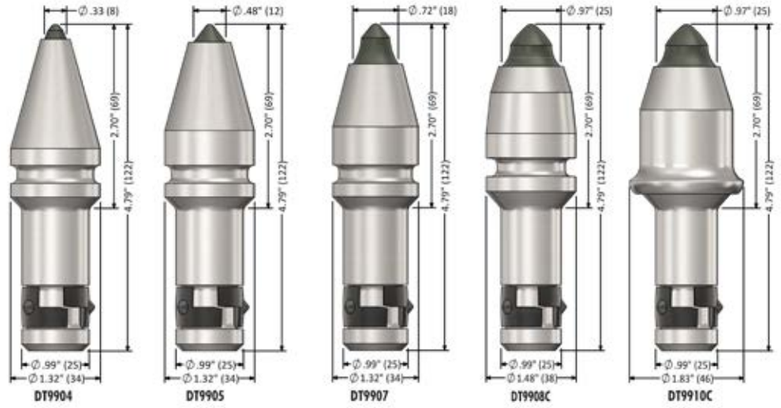


CONICAL CARBIDE TOOTH SERIES

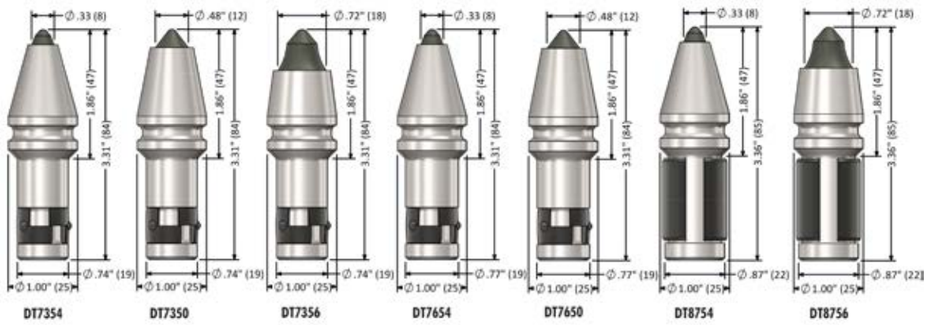
Manufactured in the USA

1.5” (30/38mm) DUAL RETAINING RINGS

1.0” (25mm) DUAL RETAINING RINGS



.735” (19mm) .765“ (19mm) .875” (22mm)



PILOT POINT SERIES

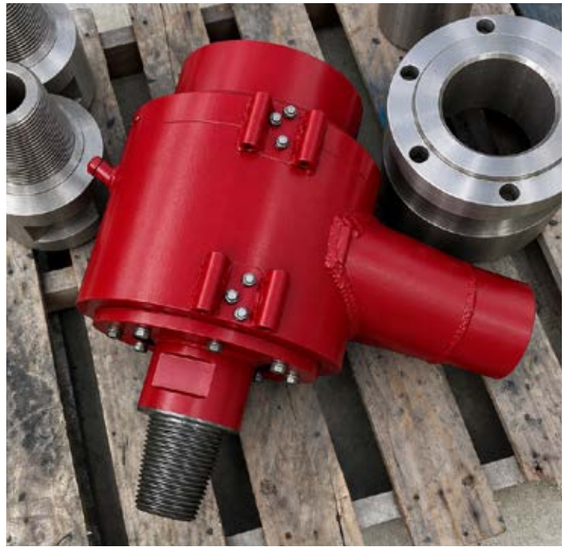
Manufactured in the USA

WEDGE TOOTH SERIES

Manufactured in the USA

CONICAL SHANK & TAPER FIT DESIGNS

CUSTOM TOOLING



Full service design and fabrication capabilities at multiple locations to better serve all your tooling and adaptation needs.

CUSTOM FABRICATION

- Combiwalls

(Connectors welded to pipe or wide flange)

- Helical Piles
- Displacement Piles
- Channels
- Walers
- Custom Cut Steel Plates
- Pile Bracing

(Up to 30” OD shipped in lengths up to 97’)

APEX™
GEOTECH SOLUTIONS

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