

DRAIN CLEANING

Hand Tools



	Page
Augers	13.6
Grappler Hook	13.7
Flat Sewer Tape	13.7
Hand Spinners	13.8-13.9

Sink Machines

Easily portable, compact and lightweight.



Application	Model	Page
Bathroom/lavatory/kitchen sinks, tub/shower, urinal and laundry tub drains	Auto-Clean/ K-40/K-45	13.9 - 13.13

Drum Machines

Delivers high torque to clear obstructions

- Power and torque
- Cable-saving features
- Superior maneuverability



Application	Model	Page
Bathroom/lavatory/kitchen sinks, tub/shower, urinal, laundry tub, roof vents and indoor floor drains	K-400	13.14
Bathroom/lavatory/kitchen sinks, tub/shower, urinal, laundry tub, roof vents and indoor floor drains	K-3800	13.16
House laterals/main drains/floor drains	K-6200	13.18
Laterals, main lines, commercial lines	K-750	13.20
	K-7500	13.24
	K-750R	13.22

Sectional Machines



High-speed cutting action to drill through obstructions.

- Power and speed with cable control.
- Lightweight and portable.

Line Size	Application	Model	Page
¾" to 4"	Bathroom/lavatory/kitchen sinks, tub/shower, urinal, laundry tub, roof vents and indoor floor drains	K-50	13.26
1¼" to 4"	Sink lines, roof vents and floor drains	K-60SP	13.28
2" to 8"	Floor/secondary lines, laterals and main lines	K-1500	13.30
2" to 10"	Laterals and main lines, commercial lines	K-1500SP	13.32
2" to 10"	Laterals and main lines, commercial lines – gasoline engine powered for remote locations	K-1500G	13.34

Rodder Machines



Designed specifically for larger diameter lines.

Line Size	Application	Model	Page
8" to 24"	Straight main work in municipalities, universities, institutions and industry	K-1000	13.36

Water Jetters



Water jetting machines are ideal for clearing grease, sludge or soap-clogged lines.

Line Size	Application	Model	Page
1¼" to 4"	Sink lines/floor/secondary lines	KJ-1350 KJ-1750	13.38
1¼" to 6"	Sink lines/floor/secondary lines/laterals	KJ-2200	13.40
2" to 10"	Sink lines/floor/secondary lines/laterals/main lines	KJ-3100	13.42

Pumps





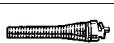



High quality, performance and dependability.

Type	Features	Page
Utility	Corrosion-resistant dewatering duty	13.44
Utility	Semi-trash pumps	13.46
Accessories	Check valves and water sensor	13.46







DRAIN CLEANING

For Drain Guns, Sink Drums, and Small Line Sectional Machines







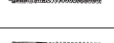

		Model	Length	Typical Application	Characteristics	Machines
5/16" (8mm)		C-1 C-21	25' 50'	Drain Lines 3/4" to 1 1/2". Kitchen Sinks, Lavatory Sinks, Bathtub Drains, Drinking Fountains and Urinals.	Hollow core cables that provide maximum flexibility for severe bends and "P" Traps.	K-25/K-26 (25' only) K-45 K-40 K-50*
		C-2 C-22	25' 50'	Drain Lines 3/4" to 1 1/2". Drop Head leads into down drain pipes, especially good for back-to-back mounted fixtures and severe bends.		
		C-11C C-131C	25' 35'	Drain Lines 1 1/4" to 2". Kitchen Sinks, Lavatory Sinks, Slop Sinks and Laundry Lines.	Inner core cables that provide good flexibility while resisting kinking.	K-25/K-26 (25' only) K-45, K-40 K-3800, K-50*
		C-21C C-231C	25' 35'	Drop Head leads into down drain pipes, especially good for back-to-back mounted fixtures and severe bends.		
3/8" (10mm)		C-4 C-6 C-61C	25' 35' 35'	Drain Lines 1 1/4" to 2 1/2". Kitchen Sinks, Lavatory Sinks, Slop Sinks, and Disposal Waste Lines.	Flexible, yet tough 3/8" cable most commonly used after traps have been removed. C-61C slightly stiffer than C-6.	K-45 K-40 K-50*
		C-5	35'	Drain Lines 1 1/4" to 2 1/2". Kitchen Sinks, Lavatory Sinks, Slop Sinks, and Disposal Waste Lines.		

*See Page 12.25 for Proper Adapter or Sink Drum.

For Drum Machines

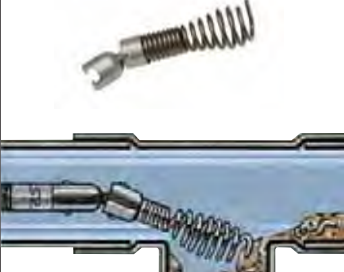
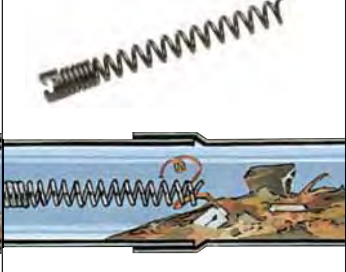
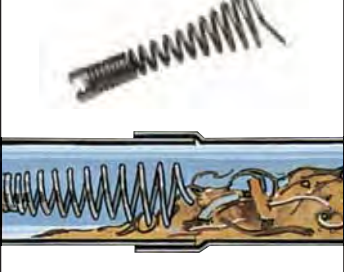
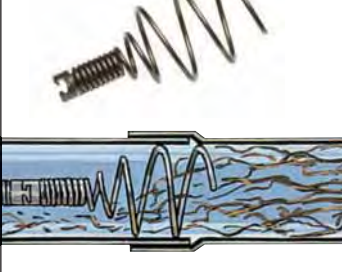
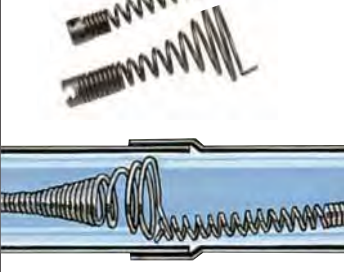
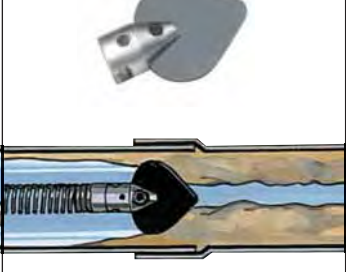
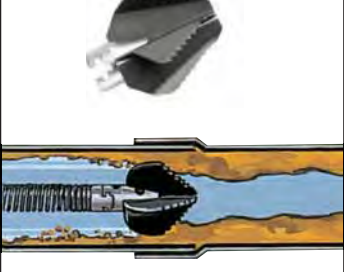


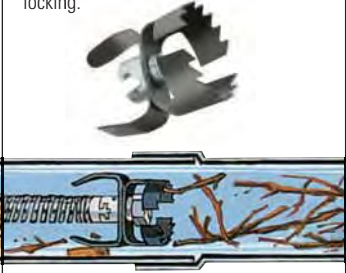
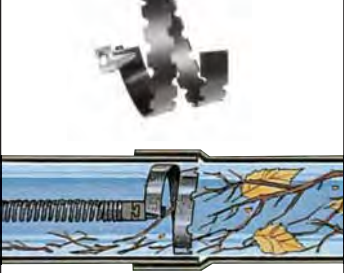
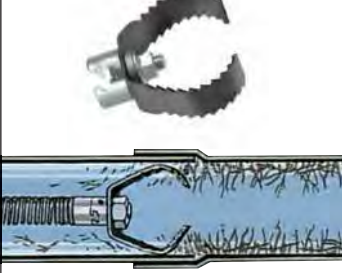

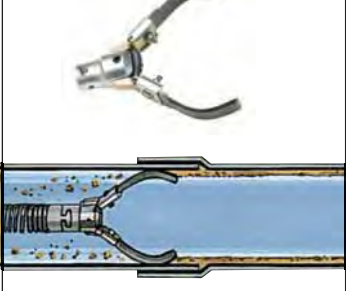
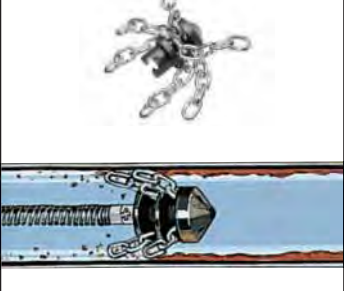
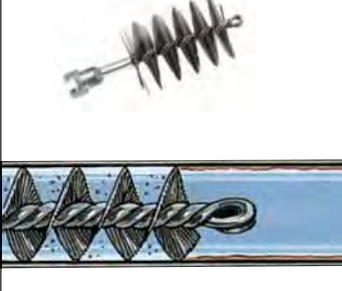
		Model	Length	Typical Application	Characteristics	Machines
3/8" (10mm)		C-31, C-31IW C-32, C-32IW C-33, C-33IW	50' 75' 100'	Drain Lines 1 1/2" to 2 1/2". Kitchen Sinks, Lavatory Sinks, Slop Sinks and Laundry Stacks.	Good flexibility. As torque builds, outer spring tightens on wire core causing cable to stiffen and transfer greater torque to cutter.	K-400 K-3800
		C-44, C-44IW C-45, C-45IW C-46	50' 75' 90'	Drain Lines 2" to 4". Laundry Stacks, Roof Vents and Indoor Floor Drains.		
		C-25, C-25HD C-26, C-26HD C-27, C-27HD C-24, C-24HD	25' 50' 75' 100'	Drain Lines 3" to 6". Floor Drains, Vents, and Laterals.		
5/8" (16mm)		C-27HC C-24HC	75' 100'	Drain Lines 3" to 6". Floor Drains, Vents, and Laterals.	General purpose cable. Inner core provides greater stiffness under load.	K-750 K-6200 K-7500
		C-28 C-29 C-75 C-100	25' 50' 75' 100'	Drain Lines 4" to 10". Main Lines including Laterals.	Powerful cable used for heavy-duty blockages such as tree roots. Cable tightens on core to provide extra stiffness under load, delivering power to cutter.	K-750 K-7500
3/4" (20mm)		C-75HC C-100HC	75' 100'	Drain Lines 4" to 6". Main Lines including Laterals.	Hollow core cable is lighter in weight and more flexible. Helps operator negotiate difficult traps and bends in large lines.	K-750 K-7500

For Sectional Machines

		Model	Length	Typical Application	Characteristics	Machines
5/8" (16mm)		C-7	7 1/2'	2" and 3" Floor Drains.	Tight wind cable providing good rigidity in a hollow core cable. Not for tree roots.	K-50, K-60SP
		C-8	7 1/2'	Drain Lines 1 1/4" to 2". Ideal for proper cleaning of small lines.	Open wind cable that is more flexible than C-7. Open wind acts as an auger to thoroughly remove blockages in small lines.	K-50, K-60SP
		C-9	10'	Drain Lines 2" to 4". Ideal for Floor Drains and Stacks.	Heavy-Duty open wind cable ideal for long runs in indoor lines.	K-50, K-60SP
7/8" (22MM)		C-10	15'	Drain Lines 2" to 4". Rooftop Vent Stacks.	Standard all-purpose open wind. Excellent flexibility.	K-60SP K-1500A/B*
1 1/4" (32mm)		C-11	15'	Drain Lines 3" to 8". Good for all around work. Easily negotiates 4" Traps.	Standard all-purpose open wind with 3/8" pitch. Flexible, yet rigid enough to do fast, tough root cutting.	K-1500A/B/& SP
		C-12	15'	Drain Lines 4" to 10". Do not use through 4" "P" Traps.	Extra-heavy-duty open wind with 3/8" pitch. Designed for 4" to 10" long runs.	K-1500A/B/& SP
		C-14	15'	Drain Lines 3" to 10". Do not use through 4" "P" Traps.	Heavy-duty open wind with 1/2" pitch. Especially good For 4" cleanout or 8" elbow entering in 4" to 10" line.	K-1500A/B/& SP
		C-15	15'	Drain Lines 3" to 6". Ideal for 4" Traps.	Extra-flexible open wind with 1/2" pitch. Lighter than C-11, slightly stiffer.	K-1500A/B

*See Page 12.29 for Proper Jawset.

DRAIN CLEANING

<p>Drop Head Auger For cleaning back to back mounted fixtures e.g., sinks where cable needs to be led into down pipe.</p> 	<p>Straight Auger For use in exploring and breaking up stoppages or returning sample to surface to determine correct tool.</p> 	<p>Funnel Auger For use as second tool in line. Breaks up remains of stoppage left by straight auger.</p> 	<p>Hook Auger For heavy and dense root stoppages in pipes that require hooking and breaking up.</p> 
<p>Retrieving Auger For searching for cable which is broken or lost in line.</p> 	<p>Spade Cutter For following up after augers have been used and to open up floor drains.</p> 	<p>Four Blade Saw Tooth Cutter For blockages caused by hardened, glazed material such as chemical deposits.</p> 	<p>Grease Cutter For lines which have become badly greased with detergents and have to be opened.</p> 
<p>Spiral Saw Tooth Cutter For clearing any stoppage, roots, rags, sticks, etc.</p> 	<p>Saw Tooth Cutter For cleaning lines blocked heavily with roots. Unique design permits cutter to be removed from damaged pipe without locking.</p> 	<p>Spiral Bar Cutter For main sewers blocked by roots, leaf debris, sticks, sawdust, cloth, and sacking.</p> 	<p>Sharktooth Cutter For use in cleaning pipes of general material clinging to pipe walls.</p> 
<p>Grease "C" Cutter For grease blockage in lines leading from garbage disposal unit or waste pipe.</p> 	<p>Expanding Finish Cutters For final removal of material adhering to walls and certain roots of fibrous nature.</p> 	<p>Chain Knocker For use when vigorous action is required for cleaning of scale in pipes and boiler tubes.</p> 	<p>Flue Brush For use for finish cleaning required of boiler tubes and heat exchangers.</p> 

(TOOLTIP)

Always start with a straight auger to try and determine what you are trying to clean. Then chose the correct cutter to clear the drain.